CORRELATION - CHAPTER 1

	The Hydrologic Cycle, 1-1	Surveying The Properties of Water, 1-11	Clearly H_2O, 1-21	Water, Water Everywhere, 1-29	A Global View of the Wet Earth, 1-41	Water Whiz - A Board Game, 1-55	Water: Poetic, Prosaic, Mosaic, 1-71	How Would We Say It Without Water?, 1-79	Water Careers, 1-85	Water: More Priceless Than Gold, 1-91	Water You Doing About This?, 1-97	Environmental Controversy:Class Project, 1-105	"pH - The First Clue to Water Quality", 1-109
MATHEMATICS													
Basic					X				X	X	X	X	
Advanced									X			X	
SCIENCE													
Biology	X	X				X			X			X	
Chemistry	X		X						X			X	X
Earth Science	X								X		X	X	X
Ecology/Environmental Science			X						X			X	X
Physical Science/Physics		X	X	X	X	X			X	X	X	X	
LANGUAGE ARTS							X	X	X			X	
SOCIAL STUDIES													
Economics/Political Science/Government					X	X			X	X	X	X	
Geography					X			X	X			X	
History									X	X		X	
RELATED ARTS													
Art					X				X			X	
Health									X		X	X	

CORRELATION - CHAPTER 1

	What's In a Bottle of Water, 1-117	Keep Our Community Beautiful, 1-125	Risk Assessment: How Much Risk... 1-133	International Water Disputes: You be..., 1-147	Environmental Infrastructure Financing, 1-157	There "Oughta" Be A Law, 1-165	Uncle Sam Says, "Keep IT Clean!", 1-171	Water Chemistry Checkup, 1-185	How Hard is Hard Water?, 1-195	Is Your Water Well For Drinking?, 1-203			
MATHEMATICS													
Basic		X	X						X				
Advanced					X								
SCIENCE													
Biology									X				
Chemistry								X	X	X			
Earth Science													
Ecology/Environmental Science	X	X			X	X			X	X			
Physical Science/Physics	X	X		X		X		X	X				
LANGUAGE ARTS	X	X	X	X			X			X			
SOCIAL STUDIES													
Economics/Political Science/Government	X	X	X		X	X	X						
Geography				X		X							
History													
RELATED ARTS													
Art													
Health													

CORRELATION - CHAPTER 2

	Water Works, 2-1	Carbon Treatment for Water Pollution Control, 2-9	Chlorination for Disinfection, 2-15	Drinking Water Jeopardy, 2-21	Source Water Protection, Surface Water Sources, 2-33	Source Water Protection: Ground Water Sources, 2-43	How Are Detection Limits Set..., 2-55	Metals Pollution Reduction, 2-59	What is in Sourcewater?, 2-65	Wastewater Treatment, 2-73	The World of Biological Wastewater Treatment, 2-83	Home Recycling of Graywater, 2-101
MATHEMATICS												
Basic							X	X				
Advanced												
SCIENCE												
Biology			X	X				X	X		X	
Chemistry	X	X	X	X		X		X			X	
Earth Science						X		X				
Ecology/Environmental Science	X	X	X		X	X	X	X	X			
Physical Science/Physics					X	X	X			X		X
LANGUAGE ARTS											X	
SOCIAL STUDIES												
Economics/Political Science/Government					X	X					X	X
Geography												
History												
RELATED ARTS												
Art												
Health												

CORRELATION - CHAPTER 2

	Do Septic Tanks Do The Job?, 2-107	Land Application of Wastewater Solids, 2-117	Storm Water: Best Management Practices ..., 2-123										
MATHEMATICS													
Basic													
Advanced													
SCIENCE													
Biology	X	X											
Chemistry													
Earth Science	X	X	X										
Ecology/Environmental Science	X	X	X										
Physical Science/Physics			X										
LANGUAGE ARTS													
SOCIAL STUDIES													
Economics/Political Science/Government													
Geography													
History													
RELATED ARTS													
Art													
Health													

CORRELATION - CHAPTER 3

	Biography of a River, 3-1	Catch Me If You Can - (Two Ways to...), 3-7	Help! Lake Overturning, 3-15	The Aging of Lakes, 3-25	Biodiversity = Water Quality, 3-29	Floods, 3-37	Best Management Practices for Forestry, 3-43	Simple Test For Microbial Contamination, 3-49	Pollutants: How Much Total or How..., 3-53	Ethical Dilemmas - What's A Body To Do?, 3-59	What Are Fecal Coliforms and How..., 3-63	Turbidity, 3-71	Clean Clothes - Clean Environment? Phosphates, 3-79
MATHEMATICS													
Basic		X							X				X
Advanced													
SCIENCE													
Biology			X	X	X		X	X			X		X
Chemistry									X			X	X
Earth Science	X		X	X		X				X		X	
Ecology/Environmental Science			X		X		X	X			X	X	
Physical Science/Physics	X	X				X							
LANGUAGE ARTS	X									X			
SOCIAL STUDIES													
Economics/Political Science/Government	X									X			X
Geography	X	X				X							
History	X					X							
RELATED ARTS													
Art													
Health							X	X			X		

CORRELATION - CHAPTER 3

	What Turned the Creek Orange?, 3-83	Thermal Pollution, 3-89											
MATHEMATICS													
Basic													
Advanced													
SCIENCE													
Biology	X												
Chemistry													
Earth Science													
Ecology/Environmental Science													
Physical Science/Physics	X												
LANGUAGE ARTS													
SOCIAL STUDIES													
Economics/Political Science/Government													
Geography													
History													
RELATED ARTS													
Art													
Health													

CORRELATION - CHAPTER 4

	Groundwater Basics, 4-1	From Ground to Water, 4-11	What's the Level, 4-19	What Goes On Down Under?, 4-27	Do You Drink It?, 4-37	Hydraulic Head, 4-51	Flow Nets, 4-61	Groundwater: Cleaning Up, 4-67	What is Groundwater Pollution Doing..., 4-77	Radon In Water, 4-85	Landfills and the Potential for Groundwater..., 4-97	Leaking Underground Storage Tanks, 4-107	
MATHEMATICS													
Basic						X				X	X	X	
Advanced	X												
SCIENCE													
Biology													
Chemistry											X		
Earth Science		X		X	X			X					
Ecology/Environmental Science			X	X	X			X	X	X	X	X	
Physical Science/Physics	X	X	X	X	X	X	X	X					
LANGUAGE ARTS		X											
SOCIAL STUDIES													
Economics/Political Science/Government							X	X				X	
Geography					X				X	X			
History													
RELATED ARTS													
Art			X										
Health									X				

CORRELATION - CHAPTER 5

	An Alternative to the "What I Did...," 5-1	Understanding Marine Resources, 5-15	River Input into the Gulf of Mexico, 5-19	Wetlands, USA - More Than Swamps, 5-25	Know Your Gulf, 5-37	Sea Margin Diversity, 5-45	Estuaries: Interface Between Sea and Land, 5-53	Erosion Kills The Habitats That Feed You!, 5-59	Oil Spills, 5-65	Impact Governmental Regulations on..., 5-71	How Water Processes Move Sand, 5-79	Swept Away - or - Where Will You Be..., 5-87	
MATHEMATICS													
Basic				X	X			X					
Advanced													
SCIENCE													
Biology	X		X	X	X		X		X				
Chemistry									X				
Earth Science											X		
Ecology/Environmental Science	X	X		X		X	X	X	X	X			
Physical Science/Physics											X		
LANGUAGE ARTS	X		X	X						X		X	
SOCIAL STUDIES													
Economics/Political Science/Government		X						X		X		X	
Geography			X	X		X	X				X	X	
History													
RELATED ARTS													
Art				X		X							
Health													

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
CHAPTER 1- INTRODUCTION TO WATER		
THE HYDROLOGIC (WATER) CYCLE	**Unifying Concepts and Processes:** Systems, order, and organization	3
	Unifying Concepts and Processes: Evidence, models, and explanation	3
	Unifying Concepts and Processes: Constancy, change, and measurement	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Physical Science: develop an understanding of conservation of energy and increase in disorder	1
	Physical Science: develop an understanding of interactions of energy and matter	1
	Life Science: develop understanding of matter, energy, and organization in living systems	3
	Earth and Space Science: develop understanding of energy in the earth	1
	Earth and Space Science: develop understanding of geochemical cycles	2
SURVEYING THE PROPERTIES OF WATER	**Unifying Concepts and Processes:** Evidence, models, and explanation	2
	Unifying Concepts and Processes: Constancy, change, and measurement	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Physical Science: develop an understanding of structure and properties of matter	3
	Physical Science: develop an understanding of chemical reactions	2
	Life Science: develop understanding of matter, energy, and organization in living systems	2
CLEARLY H_2O	**Unifying Concepts and Processes:** Evidence, models, and explanation	3
	Unifying Concepts and Processes: Constancy, change, and measurement	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Physical Science: develop an understanding of structure and properties of matter	2
	Physical Science: develop an understanding of chemical reactions	2
	Physical Science: develop an understanding of interactions of energy and matter	1
WATER, WATER EVERYWHERE	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
WATER, WATER EVERYWHERE (CON'T)	**Unifying Concepts and Processes:** Constancy, change, and measurement	1
	Earth and Space Science: develop understanding of geochemical cycles	1
	Science and Technology: develop abilities of technological design	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	2
A GLOBAL VIEW OF THE WET EARTH	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	1
	Earth and Space Science: develop understanding of energy in the earth	1
	Earth and Space Science: develop understanding of geochemical cycles	1
	Science and Technology: develop abilities of technological design	2
	Science in Personal and Social Perspectives: develop understanding of natural resources	3
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1
WATER WHIZ - A BOARD GAME	**Unifying Concepts and Processes:** Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	1
	Science and Technology: develop understandings about science and technology	2
	Science in Personal and Social Perspectives: develop understanding of natural resources	3
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	2
WATER: POETIC, PROSAIC, MOSAIC	**Science in Personal and Social Perspectives:** develop understanding of science and technology in local, national, and global challenges	

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
HOW WOULD WE SAY IT WITHOUT WATER?	**History and Nature of Science:** develop understanding of history of science	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
WATER CAREERS	**History and Nature of Science:** develop understanding of science as a human endeavor	2
	History and Nature of Science: develop understanding of nature of science	1
	History and Nature of Science: develop understanding of history of science	1
	Science and Technology: develop understandings about science and technology	2
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	2
WATER: MORE PRICELESS THAN GOLD	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Science as Inquiry: develop understanding about scientific enquiry	2
	Science in Personal and Social Perspectives: develop understanding of personal and community health	1
	Science in Personal and Social Perspectives: develop understanding of population growth	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	3
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	2
WATER YOU DOING ABOUT THIS?	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Science as Inquiry: develop understanding about scientific enquiry	1
	Science in Personal and Social Perspectives: develop understanding of personal and community health	1
WATER YOU DOING ABOUT THIS?(CON'T)	**Science in Personal and Social Perspectives:** develop understanding of population growth	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	3
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	2
ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	**Unifying Concepts and Processes:** Evidence, models, and explanation	2
	Unifying Concepts and Processes: Constancy, change, and measurement	1
	History and Nature of Science: develop understanding of science as a human endeavor	1
	Science and Technology: develop understandings about science and technology	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	3
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	3
"pH - THE FIRST CLUE TO WATER QUALITY"	**Unifying Concepts and Processes:** Evidence, models, and explanation	2
	Unifying Concepts and Processes: Constancy, change, and measurement	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Physical Science: develop an understanding of chemical reactions	3
	Physical Science: develop an understanding of conservation of energy and increase in disorder	3

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Earth and Space Science: develop understanding of geochemical cycles	2
WHAT'S IN A BOTTLE OF WATER?	**Unifying Concepts and Processes:** Evidence, models, and explanation	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Science as Inquiry: develop understanding about scientific enquiry	2

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
WHAT'S IN A BOTTLE OF WATER? (CON'T)	**Science in Personal and Social Perspectives:** develop understanding of personal and community health	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1
KEEP OUR COMMUNITY BEAUTIFUL!	**Unifying Concepts and Processes:** Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Science as Inquiry: develop understanding about scientific enquiry	1
	Science in Personal and Social Perspectives: develop understanding of personal and community health	2
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	2
RISK ASSESSMENT: HOW MUCH RISK ARE YOU WILLING TO TAKE?	(No correlation to this activity)	
INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	**Unifying Concepts and Processes:** Evidence, models, and explanation	2
	History and Nature of Science: develop understanding of science as a human endeavor	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Science as Inquiry: develop understanding about scientific enquiry	2
	Science in Personal and Social Perspectives: develop understanding of natural resources	3
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
ENVIRONMENTAL INFRASTRUCTURE FINANCING	**Unifying Concepts and Processes:** Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	1
	Science as Inquiry: develop understanding about scientific enquiry	1
ENVIRONMENTAL INFRASTRUCTURE FINANCING (CON'T)	**Science and Technology:** develop understandings about science and technology	1
	Science in Personal and Social Perspectives: develop understanding of personal and community health	2
	Science in Personal and Social Perspectives: develop understanding of natural resources	3
	Science in Personal and Social Perspectives: develop understanding of environmental quality	3
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	3
THERE "OUGHTA" BE A LAW	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	1
	Science as Inquiry: develop understanding about scientific enquiry	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	3
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1
UNCLE SAM SAYS, "KEEP IT CLEAN!"	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	1

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Science as Inquiry: develop understanding about scientific enquiry	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	3
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
WATER CHEMISTRY CHECKUP	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Unifying Concepts and Processes: Constancy, change, and measurement	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Science as Inquiry: develop understanding about scientific enquiry	2
	Physical Science: develop an understanding of chemical reactions	2
	Earth and Space Science: develop understanding of geochemical cycles	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
	Science in Personal and Social Perspectives: develop understanding of environmental quality	3
HOW HARD IS WATER?	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Unifying Concepts and Processes: Constancy, change, and measurement	2
	Science as Inquiry: develop understanding about scientific enquiry	3
	Physical Science: develop an understanding of structure and properties of matter	2
	Physical Science: develop an understanding of chemical reactions	2
	Earth and Space Science: develop understanding of geochemical cycles	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
	Science in Personal and Social Perspectives: develop understanding of environmental quality	3
IS YOUR WATER WELL FOR DRINKING?	**Unifying Concepts and Processes:** Evidence, models, and explanation	2
	History and Nature of Science: develop understanding of science as a human endeavor	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	1

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Physical Science: develop an understanding of structure and properties of matter	2
	Earth and Space Science: develop understanding of energy in the earth	1
	Earth and Space Science: develop understanding of geochemical cycles	2
IS YOUR WATER WELL FOR DRINKING? (CON'T)	**Science and Technology:** develop understandings about science and technology	2
	Science in Personal and Social Perspectives: develop understanding of natural resources	1
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	2
CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT		
WATER WORKS	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Physical Science: develop an understanding of structure and properties of matter	1
	Physical Science: develop an understanding of chemical reactions	2
	Science and Technology: develop abilities of technological design	1
	Science and Technology: develop understandings about science and technology	3
CARBON TREATMENT FOR WATER POLLUTION CONTROL	**Unifying Concepts and Processes:** Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Science as Inquiry: develop understanding about scientific enquiry	1
	Physical Science: develop an understanding of structure and properties of matter	2
	Physical Science: develop an understanding of chemical reactions	3
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1
CHLORINATION FOR DISINFECTION	**Unifying Concepts and Processes:** Evidence, models, and explanation	2

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Science as Inquiry: develop understanding about scientific enquiry	1
	Physical Science: develop an understanding of structure and properties of matter	2
	Physical Science: develop an understanding of chemical reactions	3
CHLORINATION FOR DISINFECTION (CON'T)	**Science in Personal and Social Perspectives:** develop understanding of personal and community health	1
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1
DRINKING WATER JEOPARDY	**Unifying Concepts and Processes:** Evidence, models, and explanation	1
	Physical Science: develop an understanding of structure and properties of matter	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
	Science in Personal and Social Perspectives: develop understanding of environmental quality	3
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	1
SOURCE WATER PROTECTION: Surface Water Sources	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Science as Inquiry: develop understanding about scientific enquiry	2
	Physical Science: develop an understanding of chemical reactions	1
	Earth and Space Science: develop understanding of energy in the earth	1
	Science and Technology: develop understandings about science and technology	2

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Science in Personal and Social Perspectives: develop understanding of personal and community health	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	3
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	2

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
SOURCE WATER PROTECTION: Groundwater Sources	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Science as Inquiry: develop understanding about scientific enquiry	1
	Earth and Space Science: develop understanding of energy in the earth	1
	Science and Technology: develop abilities of technological design	3
	Science and Technology: develop understandings about science and technology	2
	Science in Personal and Social Perspectives: develop understanding of personal and community health	3
	Science in Personal and Social Perspectives: develop understanding of natural resources	3
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1
HOW ARE DETECTION LIMITS SET FOR WATER POLLUTANTS?	**Unifying Concepts and Processes:** Evidence, models, and explanation	2
	Unifying Concepts and Processes: Constancy, change, and measurement	2
	Unifying Concepts and Processes: Evolution and equilibrium	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Physical Science: develop an understanding of motions and forces	2
METAL POLLUTION REDUCTION	**Unifying Concepts and Processes:** Evidence, models, and explanation	2
	Unifying Concepts and Processes: Constancy, change, and measurement	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Physical Science: develop an understanding of structure and properties of matter	1
	Physical Science: develop an understanding of chemical reactions	2

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Physical Science: develop an understanding of interactions of energy and matter	1
METAL POLLUTION REDUCTION (CON'T)	**Science and Technology:** develop abilities of technological design	3
	Science in Personal and Social Perspectives: develop understanding of natural resources	1
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	2
WHAT IS IN SOURCE WATER?	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Life Science: develop understanding of biological evolution	1
	Life Science: develop an understanding of interdependence of organisms	2
	Life Science: develop understanding of behavior of organisms	1
WASTEWATER TREATMENT	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Science as Inquiry: develop understanding about scientific enquiry	2
	Physical Science: develop an understanding of chemical reactions	1
	Science and Technology: develop abilities of technological design	3
	Science and Technology: develop understandings about science and technology	1
	Science in Personal and Social Perspectives: develop understanding of environmental quality	3

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	2

RELATIONSHIP:
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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
THE WORLD OF BIOLOGICAL WASTEWATER TREATMENT	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Physical Science: develop an understanding of structure and properties of matter	2
	Physical Science: develop an understanding of chemical reactions	2
	Physical Science: develop an understanding of interactions of energy and matter	1
	Life Science: develop an understanding of interdependence of organisms	2
	Life Science: develop understanding of matter, energy, and organization in living systems	1
	Life Science: develop understanding of behavior of organisms	1
	Science in Personal and Social Perspectives: develop understanding of environmental quality	1
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	2
HOME RECYCLING OF GRAYWATER	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Science as Inquiry: develop understanding about scientific enquiry	1
	Physical Science: develop an understanding of chemical reactions	1
	Life Science: develop an understanding of interdependence of organisms	1
	Science and Technology: develop abilities of technological design	3
	Science in Personal and Social Perspectives: develop understanding of personal and community health	1

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1
DO SEPTIC TANKS DO THE JOB?	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Physical Science: develop an understanding of chemical reactions	2
	Physical Science: develop an understanding of motions and forces	1
	Physical Science: develop an understanding of interactions of energy and matter	2
	Life Science: develop understanding of matter, energy, and organization in living systems	2
	Science and Technology: develop abilities of technological design	3
	Science in Personal and Social Perspectives: develop understanding of personal and community health	1
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	1
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	2
LAND APPLICATIONS OF WASTEWATER SOLIDS	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Science as Inquiry: develop understanding about scientific enquiry	1
	Physical Science: develop an understanding of structure and properties of matter	1
	Physical Science: develop an understanding of chemical reactions	1
	Physical Science: develop an understanding of interactions of energy and matter	1

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Life Science: develop understanding of matter, energy, and organization in living systems	1
	Earth and Space Science: develop understanding of geochemical cycles	1
	Science and Technology: develop abilities of technological design	2
LAND APPLICATIONS OF WASTEWATER SOLIDS (CON'T)	**Science and Technology:** develop understandings about science and technology	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	1
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1
STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Science as Inquiry: develop understanding about scientific enquiry	2
	Physical Science: develop an understanding of chemical reactions	2
	Physical Science: develop an understanding of motions and forces	1
	Physical Science: develop an understanding of interactions of energy and matter	1
	Life Science: develop understanding of matter, energy, and organization in living systems	1
	Earth and Space Science: develop understanding of geochemical cycles	1
	Science and Technology: develop abilities of technological design	3
	Science in Personal and Social Perspectives: develop understanding of personal and community health	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	2

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Science in Personal and Social Perspectives: develop understanding of environmental quality	3
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	2

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
CHAPTER 3- SURFACE WATER RESOURCES		
BIOGRAPHY OF A RIVER	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	1
	Physical Science: develop an understanding of motions and forces	2
	Physical Science: develop an understanding of interactions of energy and matter	1
	Earth and Space Science: develop understanding of energy in the earth	2
CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Unifying Concepts and Processes: Constancy, change, and measurement	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Physical Science: develop an understanding of motions and forces	2
	Physical Science: develop an understanding of interactions of energy and matter	2
	Earth and Space Science: develop understanding of energy in the earth	2
	Earth and Space Science: develop understanding of geochemical cycles	1
HELP! LAKE OVERTURNING!	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	1
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Unifying Concepts and Processes: Constancy, change, and measurement	1
	Unifying Concepts and Processes: Evolution and equilibrium	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Physical Science: develop an understanding of chemical reactions	2
	Physical Science: develop an understanding of motions and forces	2

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
HELP! LAKE OVERTURNING! (CON'T)	**Physical Science:** develop an understanding of conservation of energy and increase in disorder	1
	Physical Science: develop an understanding of interactions of energy and matter	2
	Life Science: develop understanding of matter, energy, and organization in living systems	2
	Earth and Space Science: develop understanding of energy in the earth	1
	Earth and Space Science: develop understanding of geochemical cycles	1
THE AGING OF LAKES	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	1
	Unifying Concepts and Processes: Constancy, change, and measurement	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Physical Science: develop an understanding of structure and properties of matter	1
	Physical Science: develop an understanding of chemical reactions	2
	Physical Science: develop an understanding of interactions of energy and matter	1
	Life Science: develop an understanding of interdependence of organisms	2
	Life Science: develop understanding of matter, energy, and organization in living systems	2
BIODIVERSITY = WATER QUALITY	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Life Science: develop understanding of matter, energy, and organization in living systems	2
	Life Science: develop understanding of matter, energy, and organization in living systems	2
	Life Science: develop understanding of behavior of organisms	2
FLOODS	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Unifying Concepts and Processes: Constancy, change, and measurement	1

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
FLOODS (CON'T)	**Science as Inquiry:** develop abilities necessary to do scientific inquiry	1
	Physical Science: develop an understanding of motions and forces	2
	Physical Science: develop an understanding of interactions of energy and matter	2
	Earth and Space Science: develop understanding of energy in the earth	2
BEST MANAGEMENT PRACTICES FOR FORESTRY	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	1
	History and Nature of Science: develop understanding of science as a human endeavor	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Science as Inquiry: develop understanding about scientific enquiry	1
	Physical Science: develop an understanding of interactions of energy and matter	1
	Life Science: develop understanding of matter, energy, and organization in living systems	2
	Earth and Space Science: develop understanding of energy in the earth	1
	Science and Technology: develop abilities of technological design	2
	Science and Technology: develop understandings about science and technology	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1
SIMPLE TEST FOR MICROBIAL CONTAMINATION	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Unifying Concepts and Processes: Constancy, change, and measurement	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Life Science: develop understanding of behavior of organisms	2

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
POLLUTANTS: HOW MUCH TOTAL OR HOW MUCH PER UNIT OF WATER?	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	1
	Unifying Concepts and Processes: Constancy, change, and measurement	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Physical Science: develop an understanding of structure and properties of matter	2
	Physical Science: develop an understanding of chemical reactions	2
ETHICAL DILEMMAS WHAT'S A BODY TO DO?	(No correlation to this activity.)	
WHAT ARE FECAL COLIFORMS AND HOW ARE THEY RELATED TO WATER QUALITY?	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Physical Science: develop an understanding of chemical reactions	1
	Life Science: develop an understanding of interdependence of organisms	1
	Life Science: develop understanding of matter, energy, and organization in living systems	1
	Life Science: develop understanding of behavior of organisms	2
	Science in Personal and Social Perspectives: develop understanding of personal and community health	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	2
TURBIDITY	**Unifying Concepts and Processes:** Evidence, models, and explanation	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
TURBIDITY (CON'T)	**Physical Science:** develop an understanding of interactions of energy and matter	1
	Earth and Space Science: develop understanding of geochemical cycles	1
CLEAN CLOTHES - CLEAN ENVIRONMENT? PHOSPHATES	**Unifying Concepts and Processes:** Evidence, models, and explanation	1
	Science in Personal and Social Perspectives: develop understanding of personal and community health	1
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	2
WHAT TURNED THE CREEK ORANGE?	**Unifying Concepts and Processes:** Evidence, models, and explanation	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	1
	Physical Science: develop an understanding of chemical reactions	2
	Earth and Space Science: develop understanding of energy in the earth	1
	Earth and Space Science: develop understanding of geochemical cycles	2
THERMAL POLLUTION	**Unifying Concepts and Processes:** Evidence, models, and explanation	2
	Unifying Concepts and Processes: Constancy, change, and measurement	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Physical Science: develop an understanding of motions and forces	1
	Physical Science: develop an understanding of conservation of energy and increase in disorder	1
	Physical Science: develop an understanding of interactions of energy and matter	1
	Earth and Space Science: develop understanding of energy in the earth	2
CHAPTER 4- GROUNDWATER RESOURCES		
GROUNDWATER BASIC	**Unifying Concepts and Processes:** Constancy, change, and measurement	2
	Physical Science: develop an understanding of interactions of energy and matter	1

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
FROM GROUND TO WATER	**Unifying Concepts and Processes:** Evidence, models, and explanation	1
	Physical Science: develop an understanding of motions and forces	1
	Physical Science: develop an understanding of conservation of energy and increase in disorder	1
	Earth and Space Science: develop understanding of energy in the earth	2
	Earth and Space Science: develop an understanding of origin and evolution of the universe	2
WHAT'S THE LEVEL?	**Unifying Concepts and Processes:** Evidence, models, and explanation	1
	Physical Science: develop an understanding of motions and forces	1
	Physical Science: develop an understanding of conservation of energy and increase in disorder	1
	Earth and Space Science: develop understanding of energy in the earth	2
	Earth and Space Science: develop an understanding of origin and evolution of the universe	2
WHAT GOES ON DOWN UNDER?	**Unifying Concepts and Processes:** Evidence, models, and explanation	1
	Unifying Concepts and Processes: Constancy, change, and measurement	1
	Physical Science: develop an understanding of motions and forces	1
	Physical Science: develop an understanding of conservation of energy and increase in disorder	1
	Earth and Space Science: develop understanding of energy in the earth	2
	Earth and Space Science: develop an understanding of origin and evolution of the universe	2
DO YOU DRINK IT?	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	History and Nature of Science: develop understanding of science as a human endeavor	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	1
	Physical Science: develop an understanding of motions and forces	2
	Physical Science: develop an understanding of interactions of energy and matter	1

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
DO YOU DRINK IT? (CON'T)	**Earth and Space Science:** develop understanding of energy in the earth	1
	Science and Technology: develop abilities of technological design	2
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1
HYDRAULIC HEAD	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Unifying Concepts and Processes: Constancy, change, and measurement	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Physical Science: develop an understanding of conservation of energy and increase in disorder	1
	Physical Science: develop an understanding of interactions of energy and matter	1
	Earth and Space Science: develop understanding of energy in the earth	2
	Earth and Space Science: develop understanding of geochemical cycles	2
FLOW NETS	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	3
	Physical Science: develop an understanding of conservation of energy and increase in disorder	1
	Physical Science: develop an understanding of interactions of energy and matter	1
	Earth and Space Science: develop understanding of energy in the earth	2
	Earth and Space Science: develop understanding of geochemical cycles	2
	Science and Technology: develop abilities of technological design	2

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1
GROUNDWATER: CLEANING UP	**Unifying Concepts and Processes:** Systems, order, and organization	1
	History and Nature of Science: develop understanding of science as a human endeavor	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	2
WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD?	**Unifying Concepts and Processes:** Evidence, models, and explanation	1
	Science in Personal and Social Perspectives: develop understanding of personal and community health	2
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1
RADON IN WATER	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	2
	Science in Personal and Social Perspectives: develop understanding of personal and community health	2
	Science in Personal and Social Perspectives: develop understanding of natural resources	2

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Science in Personal and Social Perspectives: develop understanding of environmental quality	3
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	3
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Physical Science: develop an understanding of chemical reactions	1
	Science in Personal and Social Perspectives: develop understanding of personal and community health	2
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
	Science in Personal and Social Perspectives: develop understanding of environmental quality	3
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	2
LEAKING UNDERGROUND STORAGE TANKS	**Unifying Concepts and Processes:** Evidence, models, and explanation	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	1
	Physical Science: develop an understanding of motions and forces	1
	Science and Technology: develop understandings about science and technology	2
	Science in Personal and Social Perspectives: develop understanding of personal and community health	2
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
CHAPTER 5- WETLANDS AND COASTAL WATERS		
AN ALTERNATIVE TO THE "WHAT I DID ON SUMMER VACATION-"WHAT I CAN DO ON SUMMER VACATION"	(No correlation to this activity)	
UNDERSTANDING MARINE RESOURCES	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Life Science: develop understanding of matter, energy, and organization in living systems	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
RIVER INPUT INTO THE GULF OF MEXICO	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	1
	Life Science: develop understanding of matter, energy, and organization in living systems	1
	Earth and Space Science: develop understanding of energy in the earth	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	1
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1
WETLANDS, USA - MORE THAN SWAMPS!	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	1
	Life Science: develop an understanding of interdependence of organisms	2
	Life Science: develop understanding of matter, energy, and organization in living systems	2
KNOW YOUR GULF	(No correlation to this activity)	
SEA MARGIN DIVERSITY	**Unifying Concepts and Processes:** Systems, order, and organization	1

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Life Science: develop an understanding of the cell	1
SEA MARGIN DIVERSITY (CON'T)	**Life Science:** develop an understanding of interdependence of organisms	2
	Life Science: develop understanding of matter, energy, and organization in living systems	2
ESTUARIES: INTERFACE BETWEEN SEA AND LAND	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Science as Inquiry: develop abilities necessary to do scientific inquiry	1
	Life Science: develop an understanding of interdependence of organisms	2
	Life Science: develop understanding of matter, energy, and organization in living systems	1
	Life Science: develop understanding of behavior of organisms	1
	Earth and Space Science: develop understanding of energy in the earth	1
EROSION KILL THE HABITATS THAT FEED YOU!	**Unifying Concepts and Processes:** Systems, order, and organization	1
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Unifying Concepts and Processes: Constancy, change, and measurement	1
	Science as Inquiry: develop abilities necessary to do scientific inquiry	1
	Physical Science: develop an understanding of motions and forces	2
	Physical Science: develop an understanding of conservation of energy and increase in disorder	1
	Earth and Space Science: develop understanding of energy in the earth	2
	Earth and Space Science: develop understanding of geochemical cycles	1
	Science in Personal and Social Perspectives: develop understanding of natural resources	1
	Science in Personal and Social Perspectives: develop understanding of environmental quality	2

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	1
OIL SPILLS	**Unifying Concepts and Processes:** Evidence, models, and explanation	2
	Unifying Concepts and Processes: Constancy, change, and measurement	1
	History and Nature of Science: develop understanding of science as a human endeavor	1
OIL SPILLS (CON'T)	**Science as Inquiry:** develop abilities necessary to do scientific inquiry	2
	Science as Inquiry: develop understanding about scientific enquiry	1
	Physical Science: develop an understanding of structure and properties of matter	1
	Physical Science: develop an understanding of chemical reactions	2
	Physical Science: develop an understanding of interactions of energy and matter	1
	Science and Technology: develop abilities of technological design	3
	Science and Technology: develop understandings about science and technology	2
	Science in Personal and Social Perspectives: develop understanding of natural resources	2
	Science in Personal and Social Perspectives: develop understanding of environmental quality	3
	Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	2
	Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	2
IMPACT GOVERNMENTAL REGULATIONS ON MARINE DEBRIS - WRITE A LETTER!	(No correlation to this activity)	
"HOW WATER PROCESSES MOVE SAND"	**Unifying Concepts and Processes:** Systems, order, and organization	2
	Unifying Concepts and Processes: Evidence, models, and explanation	2
	Physical Science: develop an understanding of motions and forces	2

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY ACTIVITY)

Activity	Standard	Relation
	Physical Science: develop an understanding of interactions of energy and matter	2
	Earth and Space Science: develop understanding of energy in the earth	2
SWEPT AWAY -- OR -- WHERE WILL YOU BE WHEN THE WATER COMES?	(No correlation to this activity)	

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Unifying Concepts and Processes: Systems, order, and organization	**CHAPTER 1- INTRODUCTION TO WATER**	
	THE HYDROLOGIC (WATER) CYCLE	3
	WATER, WATER EVERYWHERE	2
	A GLOBAL VIEW OF THE WET EARTH	1
	WATER: MORE PRICELESS THAN GOLD	2
	WATER YOU DOING ABOUT THIS?	2
	THERE "OUGHTA" BE A LAW	1
	UNCLE SAM SAYS, "KEEP IT CLEAN!"	1
	WATER CHEMISTRY CHECKUP	2
	HOW HARD IS WATER?	2
	CHAPTER 2-DRINKING WATER AND WASTEWATER TREATMENT	
	WATER WORKS	2
	SOURCE WATER PROTECTION: Surface Water Sources	2
	SOURCE WATER PROTECTION: Groundwater Sources	2
	WHAT IS IN SOURCE WATER?	2
	WASTEWATER TREATMENT	2
	THE WORLD OF BIOLOGICAL WASTEWATER TREATMENT	1
	HOME RECYCLING OF GRAYWATER	1
	DO SEPTIC TANKS DO THE JOB?	2
	LAND APPLICATIONS OF WASTEWATER SOLIDS	1
	STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	1
	CHAPTER 3- SURFACE WATER RESOURCES	
	BIOGRAPHY OF A RIVER	1
	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	1
	HELP! LAKE OVERTURNING!	2
	THE AGING OF LAKES	2
	BIODIVERSITY = WATER QUALITY	2
	FLOODS	1

RELATIONSHIP:
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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Unifying Concepts and Processes: Systems, order, and organization (con't)	BEST MANAGEMENT PRACTICES FOR FORESTRY	1
	SIMPLE TEST FOR MICROBIAL CONTAMINATION	1
	POLLUTANTS: HOW MUCH TOTAL OR HOW MUCH PER UNIT OF WATER?	1
	WHAT ARE FECAL COLIFORMS AND HOW ARE THEY RELATED TO WATER QUALITY?	1
	CHAPTER 4- GROUNDWATER RESOURCES	
	DO YOU DRINK IT?	2
	HYDRAULIC HEAD	2
	FLOW NETS	2
	GROUNDWATER: CLEANING UP	1
	RADON IN WATER	1
	LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	2
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	UNDERSTANDING MARINE RESOURCES	1
	RIVER INPUT INTO THE GULF OF MEXICO	2
	WETLANDS, USA - MORE THAN SWAMPS!	2
	SEA MARGIN DIVERSITY	1
	ESTUARIES: INTERFACE BETWEEN SEA AND LAND	1
	EROSION KILL THE HABITATS THAT FEED YOU!	1
	"HOW WATER PROCESSES MOVE SAND"	2
Unifying Concepts and Processes: Evidence, models, and explanation	**CHAPTER 1- INTRODUCTION TO WATER**	
	THE HYDROLOGIC (WATER) CYCLE	3
	SURVEYING THE PROPERTIES OF WATER	2
	CLEARLY H_2O	3
	WATER, WATER EVERYWHERE	2
	A GLOBAL VIEW OF THE WET EARTH	1
	WATER WHIZ - A BOARD GAME	2
	WATER: MORE PRICELESS THAN GOLD	2
Unifying Concepts and Processes: Evidence, models, and explanation (con't)	WATER YOU DOING ABOUT THIS?	2

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	2
	"pH - THE FIRST CLUE TO WATER QUALITY"	2
	WHAT'S IN A BOTTLE OF WATER?	1
	KEEP OUR COMMUNITY BEAUTIFUL!	2
	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	2
	ENVIRONMENTAL INFRASTRUCTURE FINANCING	2
	THERE "OUGHTA" BE A LAW	1
	UNCLE SAM SAYS, "KEEP IT CLEAN!"	1
	WATER CHEMISTRY CHECKUP	2
	HOW HARD IS WATER?	2
	IS YOUR WATER WELL FOR DRINKING?	2
	CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT	
	WATER WORKS	2
	CARBON TREATMENT FOR WATER POLLUTION CONTROL	2
	CHLORINATION FOR DISINFECTION	2
	DRINKING WATER JEOPARDY	1
	SOURCE WATER PROTECTION: Surface Water Sources	2
	SOURCE WATER PROTECTION: Groundwater Sources	2
	HOW ARE DETECTION LIMITS SET FOR WATER POLLUTANTS?	2
	METAL POLLUTION REDUCTION	2
	WHAT IS IN SOURCE WATER?	2
	WASTEWATER TREATMENT	2
	THE WORLD OF BIOLOGICAL WASTEWATER TREATMENT	2
	HOME RECYCLING OF GRAYWATER	2
	DO SEPTIC TANKS DO THE JOB?	2
	LAND APPLICATIONS OF WASTEWATER SOLIDS	1
	STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	1

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Unifying Concepts and Processes: Evidence, models, and explanation (con't)	**CHAPTER 3- SURFACE WATER RESOURCES**	
	BIOGRAPHY OF A RIVER	1
	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	2
	HELP! LAKE OVERTURNING!	1
	HELP! LAKE OVERTURNING!	2
	THE AGING OF LAKES	1
	BIODIVERSITY = WATER QUALITY	2
	FLOODS	2
	BEST MANAGEMENT PRACTICES FOR FORESTRY	1
	SIMPLE TEST FOR MICROBIAL CONTAMINATION	2
	POLLUTANTS: HOW MUCH TOTAL OR HOW MUCH PER UNIT OF WATER?	1
	WHAT ARE FECAL COLIFORMS AND HOW ARE THEY RELATED TO WATER QUALITY?	1
	TURBIDITY	1
	CLEAN CLOTHES - CLEAN ENVIRONMENT? PHOSPHATES	1
	WHAT TURNED THE CREEK ORANGE?	1
	THERMAL POLLUTION	2
	CHAPTER 4- GROUNDWATER RESOURCES	
	FROM GROUND TO WATER	1
	WHAT'S THE LEVEL?	1
	WHAT GOES ON DOWN UNDER?	1
	DO YOU DRINK IT?	2
	HYDRAULIC HEAD	2
	FLOW NETS	2
	WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD?	1
	LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	2
	LEAKING UNDERGROUND STORAGE TANKS	1
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	RIVER INPUT INTO THE GULF OF MEXICO	1

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Unifying Concepts and Processes: Evidence, models, and explanation (con't)	WETLANDS, USA - MORE THAN SWAMPS!	2
	SEA MARGIN DIVERSITY	2
	ESTUARIES: INTERFACE BETWEEN SEA AND LAND	2
	EROSION KILL THE HABITATS THAT FEED YOU!	2
	OIL SPILLS	2
	"HOW WATER PROCESSES MOVE SAND"	2
Unifying Concepts and Processes: Constancy, change, and measurement	**CHAPTER 1- INTRODUCTION TO WATER**	
	THE HYDROLOGIC (WATER) CYCLE	2
	SURVEYING THE PROPERTIES OF WATER	2
	CLEARLY H_2O	2
	WATER, WATER EVERYWHERE	1
	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	1
	"pH - THE FIRST CLUE TO WATER QUALITY"	2
	WATER CHEMISTRY CHECKUP	2
	HOW HARD IS WATER?	2
	CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT	
	HOW ARE DETECTION LIMITS SET FOR WATER POLLUTANTS?	2
	METAL POLLUTION REDUCTION	1
	CHAPTER 3- SURFACE WATER RESOURCES	
	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	1
	HELP! LAKE OVERTURNING!	1
	THE AGING OF LAKES	1
	FLOODS	1
	SIMPLE TEST FOR MICROBIAL CONTAMINATION	2
	POLLUTANTS: HOW MUCH TOTAL OR HOW MUCH PER UNIT OF WATER?	2
	THERMAL POLLUTION	2
	CHAPTER 4- GROUNDWATER RESOURCES	
	GROUNDWATER BASIC	2
	WHAT GOES ON DOWN UNDER?	1
	HYDRAULIC HEAD	2

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Unifying Concepts and Processes: Constancy, change, and measurement (con't)	**CHAPTER 5- WETLANDS AND COASTAL WATERS**	
	EROSION KILL THE HABITATS THAT FEED YOU!	1
	OIL SPILLS	1
Unifying Concepts and Processes: Evolution and equilibrium	**CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT**	
	HOW ARE DETECTION LIMITS SET FOR WATER POLLUTANTS?	1
	CHAPTER 3- SURFACE WATER RESOURCES	
	HELP! LAKE OVERTURNING!	1
Science as Inquiry: develop abilities necessary to do scientific inquiry	**CHAPTER 1- INTRODUCTION TO WATER**	
	THE HYDROLOGIC (WATER) CYCLE	3
	SURVEYING THE PROPERTIES OF WATER	3
	WATER WHIZ - A BOARD GAME	1
	CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT	
	SOURCE WATER PROTECTION: Surface Water Sources	3
	WATER WORKS	3
	CHAPTER 3- SURFACE WATER RESOURCES	
	HELP! LAKE OVERTURNING!	2
History and Nature of Science: develop understanding of science as a human endeavor	**CHAPTER 1- INTRODUCTION TO WATER**	
	WATER CAREERS	2
	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	1
	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	1
	IS YOUR WATER WELL FOR DRINKING?	2
	CHAPTER 3- SURFACE WATER RESOURCES	
	BEST MANAGEMENT PRACTICES FOR FORESTRY	1
	CHAPTER 4- GROUNDWATER RESOURCES	
	DO YOU DRINK IT?	1
	GROUNDWATER: CLEANING UP	1
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	OIL SPILLS	1

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
History and Nature of Science: develop understanding of nature of science	**CHAPTER 1- INTRODUCTION TO WATER**	
	WATER CAREERS	1
History and Nature of Science: develop understanding of history of science	**CHAPTER 1- INTRODUCTION TO WATER**	
	HOW WOULD WE SAY IT WITHOUT WATER?	1
	WATER CAREERS	1
Science as Inquiry: develop abilities necessary to do scientific inquiry	**CHAPTER 1- INTRODUCTION TO WATER**	
	THE HYDROLOGIC (WATER) CYCLE	2
	CLEARLY H_2O	3
	A GLOBAL VIEW OF THE WET EARTH	1
	WATER: MORE PRICELESS THAN GOLD	2
	WATER YOU DOING ABOUT THIS?	2
	"pH - THE FIRST CLUE TO WATER QUALITY"	3
	WHAT'S IN A BOTTLE OF WATER?	2
	KEEP OUR COMMUNITY BEAUTIFUL!	2
	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	2
	ENVIRONMENTAL INFRASTRUCTURE FINANCING	1
	THERE "OUGHTA" BE A LAW	1
	UNCLE SAM SAYS, "KEEP IT CLEAN!"	1
	WATER CHEMISTRY CHECKUP	3
	HOW HARD IS WATER?	3
	IS YOUR WATER WELL FOR DRINKING?	1
	CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT	
	CARBON TREATMENT FOR WATER POLLUTION CONTROL	3
	CHLORINATION FOR DISINFECTION	3
	SOURCE WATER PROTECTION: Surface Water Sources	2
	SOURCE WATER PROTECTION: Groundwater Sources	2
	HOW ARE DETECTION LIMITS SET FOR WATER POLLUTANTS?	3
	METAL POLLUTION REDUCTION	3

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Science as Inquiry: develop abilities necessary to do scientific inquiry (con't)	WHAT IS IN SOURCE WATER?	2
	WASTEWATER TREATMENT	3
	THE WORLD OF BIOLOGICAL WASTEWATER TREATMENT	2
	HOME RECYCLING OF GRAYWATER	3
	DO SEPTIC TANKS DO THE JOB?	3
	LAND APPLICATIONS OF WASTEWATER SOLIDS	3
	STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	3
	CHAPTER 3- SURFACE WATER RESOURCES	
	BIOGRAPHY OF A RIVER	1
	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	2
	THE AGING OF LAKES	2
	BIODIVERSITY = WATER QUALITY	2
	FLOODS	1
	BEST MANAGEMENT PRACTICES FOR FORESTRY	2
	SIMPLE TEST FOR MICROBIAL CONTAMINATION	2
	POLLUTANTS: HOW MUCH TOTAL OR HOW MUCH PER UNIT OF WATER?	2
	WHAT ARE FECAL COLIFORMS AND HOW ARE THEY RELATED TO WATER QUALITY?	2
	TURBIDITY	2
	WHAT TURNED THE CREEK ORANGE?	1
	THERMAL POLLUTION	2
	CHAPTER 4- GROUNDWATER RESOURCES	
	DO YOU DRINK IT?	1
	HYDRAULIC HEAD	2
	FLOW NETS	3
	RADON IN WATER	2
	LEAKING UNDERGROUND STORAGE TANKS	1

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Science as Inquiry: develop abilities necessary to do scientific inquiry (con't)	**CHAPTER 5- WETLANDS AND COASTAL WATERS**	
	RIVER INPUT INTO THE GULF OF MEXICO	1
	WETLANDS, USA - MORE THAN SWAMPS!	1
	ESTUARIES: INTERFACE BETWEEN SEA AND LAND	1
	EROSION KILL THE HABITATS THAT FEED YOU!	1
	OIL SPILLS	2
Science as Inquiry: develop understanding about scientific enquiry	**CHAPTER 1- INTRODUCTION TO WATER**	
	WATER: MORE PRICELESS THAN GOLD	2
	WATER YOU DOING ABOUT THIS?	1
	WHAT'S IN A BOTTLE OF WATER?	2
	KEEP OUR COMMUNITY BEAUTIFUL!	1
	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	2
	ENVIRONMENTAL INFRASTRUCTURE FINANCING	1
	THERE "OUGHTA" BE A LAW	1
	UNCLE SAM SAYS, "KEEP IT CLEAN!"	1
	WATER CHEMISTRY CHECKUP	2
	CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT	
	CARBON TREATMENT FOR WATER POLLUTION CONTROL	1
	CHLORINATION FOR DISINFECTION	1
	SOURCE WATER PROTECTION: Surface Water Sources	2
	SOURCE WATER PROTECTION: Groundwater Sources	1
	WASTEWATER TREATMENT	2
	HOME RECYCLING OF GRAYWATER	1
	LAND APPLICATIONS OF WASTEWATER SOLIDS	1
	STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	2

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Science as Inquiry: develop understanding about scientific enquiry (con't)	**CHAPTER 3- SURFACE WATER RESOURCES**	
	BEST MANAGEMENT PRACTICES FOR FORESTRY	1
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	OIL SPILLS	1
Physical Science: develop an understanding of structure and properties of matter	**CHAPTER 1- INTRODUCTION TO WATER**	
	SURVEYING THE PROPERTIES OF WATER	3
	CLEARLY H_2O	2
	HOW HARD IS WATER?	2
	IS YOUR WATER WELL FOR DRINKING?	2
	CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT	
	WATER WORKS	1
	CARBON TREATMENT FOR WATER POLLUTION CONTROL	2
	CHLORINATION FOR DISINFECTION	2
	DRINKING WATER JEOPARDY	1
	METAL POLLUTION REDUCTION	1
	THE WORLD OF BIOLOGICAL WASTEWATER TREATMENT	2
	LAND APPLICATIONS OF WASTEWATER SOLIDS	1
	CHAPTER 3- SURFACE WATER RESOURCES	
	THE AGING OF LAKES	1
	POLLUTANTS: HOW MUCH TOTAL OR HOW MUCH PER UNIT OF WATER?	2
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	OIL SPILLS	1
Physical Science: develop an understanding of chemical reactions	**CHAPTER 1- INTRODUCTION TO WATER**	
	SURVEYING THE PROPERTIES OF WATER	2
	CLEARLY H_2O	2
	"pH - THE FIRST CLUE TO WATER QUALITY"	3
	WATER CHEMISTRY CHECKUP	2
	HOW HARD IS WATER?	2

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

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Standard	Activity	Relation
Physical Science: develop an understanding of chemical reactions	**CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT**	
	WATER WORKS	2
	CARBON TREATMENT FOR WATER POLLUTION CONTROL	3
	CHLORINATION FOR DISINFECTION	3
	SOURCE WATER PROTECTION: Surface Water Sources	1
	METAL POLLUTION REDUCTION	2
	WASTEWATER TREATMENT	1
	THE WORLD OF BIOLOGICAL WASTEWATER TREATMENT	2
	HOME RECYCLING OF GRAYWATER	1
	DO SEPTIC TANKS DO THE JOB?	2
	LAND APPLICATIONS OF WASTEWATER SOLIDS	1
	STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	2
	CHAPTER 3- SURFACE WATER RESOURCES	
	HELP! LAKE OVERTURNING!	2
	THE AGING OF LAKES	2
	POLLUTANTS: HOW MUCH TOTAL OR HOW MUCH PER UNIT OF WATER?	2
	WHAT ARE FECAL COLIFORMS AND HOW ARE THEY RELATED TO WATER QUALITY?	1
	WHAT TURNED THE CREEK ORANGE?	2
	CHAPTER 4- GROUNDWATER RESOURCES	
	LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	1
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	OIL SPILLS	2
Physical Science: develop an understanding of motions and forces	**CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT**	
	HOW ARE DETECTION LIMITS SET FOR WATER POLLUTANTS?	2
	DO SEPTIC TANKS DO THE JOB?	1
	STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	1

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Physical Science: develop an understanding of motions and forces	**CHAPTER 3- SURFACE WATER RESOURCES**	
	BIOGRAPHY OF A RIVER	2
	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	2
	HELP! LAKE OVERTURNING!	2
	FLOODS	2
	THERMAL POLLUTION	1
	FROM GROUND TO WATER	1
	WHAT'S THE LEVEL?	1
	CHAPTER 4- GROUNDWATER RESOURCES	
	WHAT GOES ON DOWN UNDER?	1
	DO YOU DRINK IT?	2
	LEAKING UNDERGROUND STORAGE TANKS	1
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	EROSION KILL THE HABITATS THAT FEED YOU!	2
	"HOW WATER PROCESSES MOVE SAND"	2
Physical Science: develop an understanding of conservation of energy and increase in disorder	**CHAPTER 1- INTRODUCTION TO WATER**	
	THE HYDROLOGIC (WATER) CYCLE	1
	"pH - THE FIRST CLUE TO WATER QUALITY"	3
	CHAPTER 3- SURFACE WATER RESOURCES	
	HELP! LAKE OVERTURNING!	1
	THERMAL POLLUTION	1
	CHAPTER 4- GROUNDWATER RESOURCES	
	FROM GROUND TO WATER	1
	WHAT'S THE LEVEL?	1
	WHAT GOES ON DOWN UNDER?	1
	HYDRAULIC HEAD	1
	FLOW NETS	1
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	EROSION KILL THE HABITATS THAT FEED YOU!	1
Physical Science: develop an understanding of interactions of energy and matter	**CHAPTER 1- INTRODUCTION TO WATER**	
	THE HYDROLOGIC (WATER) CYCLE	1
	CLEARLY H_2O	1

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Standard	Activity	Relation
Physical Science: develop an understanding of interactions of energy and matter	**CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT**	
	METAL POLLUTION REDUCTION	1
	THE WORLD OF BIOLOGICAL WASTEWATER TREATMENT	1
	DO SEPTIC TANKS DO THE JOB?	2
	LAND APPLICATIONS OF WASTEWATER SOLIDS	1
	STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	1
	CHAPTER 3- SURFACE WATER RESOURCES	
	BIOGRAPHY OF A RIVER	1
	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	2
	HELP! LAKE OVERTURNING!	2
	THE AGING OF LAKES	1
	FLOODS	2
	BEST MANAGEMENT PRACTICES FOR FORESTRY	1
	TURBIDITY	1
	THERMAL POLLUTION	1
	CHAPTER 4- GROUNDWATER RESOURCES	
	GROUNDWATER BASIC	1
	DO YOU DRINK IT?	1
	HYDRAULIC HEAD	1
	FLOW NETS	1
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	OIL SPILLS	1
	"HOW WATER PROCESSES MOVE SAND"	2
Life Science: develop understanding of biological evolution	**CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT**	
	WHAT IS IN SOURCE WATER?	1
Life Science: develop an understanding of interdependence of organisms	**CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT**	
	WHAT IS IN SOURCE WATER?	2
	THE WORLD OF BIOLOGICAL WASTEWATER TREATMENT	2
	HOME RECYCLING OF GRAYWATER	1

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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Life Science: develop an understanding of interdependence of organisms	**CHAPTER 3- SURFACE WATER RESOURCES**	
	THE AGING OF LAKES	2
	WHAT ARE FECAL COLIFORMS AND HOW ARE THEY RELATED TO WATER QUALITY?	1
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	WETLANDS, USA - MORE THAN SWAMPS!	2
	SEA MARGIN DIVERSITY	2
	ESTUARIES: INTERFACE BETWEEN SEA AND LAND	2
Life Science: develop understanding of matter, energy, and organization in living systems	**CHAPTER 1- INTRODUCTION TO WATER**	
	THE HYDROLOGIC (WATER) CYCLE	3
	SURVEYING THE PROPERTIES OF WATER	2
	CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT	
	THE WORLD OF BIOLOGICAL WASTEWATER TREATMENT	1
	DO SEPTIC TANKS DO THE JOB?	2
	LAND APPLICATIONS OF WASTEWATER SOLIDS	1
	STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	1
	CHAPTER 3- SURFACE WATER RESOURCES	
	HELP! LAKE OVERTURNING!	2
	THE AGING OF LAKES	2
	BIODIVERSITY = WATER QUALITY	2
	BEST MANAGEMENT PRACTICES FOR FORESTRY	2
	WHAT ARE FECAL COLIFORMS AND HOW ARE THEY RELATED TO WATER QUALITY?	1
	CHAPTER 4- GROUNDWATER RESOURCES	
	UNDERSTANDING MARINE RESOURCES	1
	RIVER INPUT INTO THE GULF OF MEXICO	1
	WETLANDS, USA - MORE THAN SWAMPS!	2
	SEA MARGIN DIVERSITY	2
	ESTUARIES: INTERFACE BETWEEN SEA AND LAND	1

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(BY STANDARD)

Standard	Activity	Relation
Life Science: develop understanding of behavior of organisms	**CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT**	
	WHAT IS IN SOURCE WATER?	1
	THE WORLD OF BIOLOGICAL WASTEWATER TREATMENT	1
	BIODIVERSITY = WATER QUALITY	2
	SIMPLE TEST FOR MICROBIAL CONTAMINATION	2
	WHAT ARE FECAL COLIFORMS AND HOW ARE THEY RELATED TO WATER QUALITY?	2
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	ESTUARIES: INTERFACE BETWEEN SEA AND LAND	1
Earth and Space Science: develop understanding of energy in the earth	**CHAPTER 1- INTRODUCTION TO WATER**	
	THE HYDROLOGIC (WATER) CYCLE	1
	A GLOBAL VIEW OF THE WET EARTH	1
	IS YOUR WATER WELL FOR DRINKING?	1
	CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT	
	SOURCE WATER PROTECTION: Surface Water Sources	1
	SOURCE WATER PROTECTION: Groundwater Sources	1
	CHAPTER 3- SURFACE WATER RESOURCES	
	BIOGRAPHY OF A RIVER	2
	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	2
	HELP! LAKE OVERTURNING!	1
	FLOODS	2
	BEST MANAGEMENT PRACTICES FOR FORESTRY	1
	WHAT TURNED THE CREEK ORANGE?	1
	THERMAL POLLUTION	2
	CHAPTER 4- GROUNDWATER RESOURCES	
	FROM GROUND TO WATER	2
	WHAT'S THE LEVEL?	2
	WHAT GOES ON DOWN UNDER?	2
	DO YOU DRINK IT?	1
	HYDRAULIC HEAD	2
	FLOW NETS	2

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Earth and Space Science: develop understanding of energy in the earth (con't)	**CHAPTER 5- WETLANDS AND COASTAL WATERS**	
	RIVER INPUT INTO THE GULF OF MEXICO	1
	ESTUARIES: INTERFACE BETWEEN SEA AND LAND	1
	EROSION KILL THE HABITATS THAT FEED YOU!	2
	"HOW WATER PROCESSES MOVE SAND"	2
	THE HYDROLOGIC (WATER) CYCLE	2
Earth and Space Science: develop an understanding of geochemical cycles	**CHAPTER 1- INTRODUCTION TO WATER**	
	WATER, WATER EVERYWHERE	1
	A GLOBAL VIEW OF THE WET EARTH	1
	"pH - THE FIRST CLUE TO WATER QUALITY"	2
	WATER CHEMISTRY CHECKUP	1
	HOW HARD IS WATER?	1
	IS YOUR WATER WELL FOR DRINKING?	2
	CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT	
	LAND APPLICATIONS OF WASTEWATER SOLIDS	1
	STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	1
	CHAPTER 3- SURFACE WATER RESOURCES	
	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	1
	HELP! LAKE OVERTURNING!	1
	TURBIDITY	1
	WHAT TURNED THE CREEK ORANGE?	2
	CHAPTER 4- GROUNDWATER RESOURCES	
	HYDRAULIC HEAD	2
	FLOW NETS	2
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	EROSION KILL THE HABITATS THAT FEED YOU!	1

RELATIONSHIP:
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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Earth and Space Science: develop an understanding of origin and evolution of the universe	**CHAPTER 4- GROUNDWATER RESOURCES**	
	FROM GROUND TO WATER	2
	WHAT'S THE LEVEL?	2
	WHAT GOES ON DOWN UNDER?	2
Science and Technology: develop abilities of technological design	**CHAPTER 1- INTRODUCTION TO WATER**	
	WATER, WATER EVERYWHERE	1
	A GLOBAL VIEW OF THE WET EARTH	2
	CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT	
	WATER WORKS	1
	SOURCE WATER PROTECTION: Groundwater Sources	3
	METAL POLLUTION REDUCTION	3
	WASTEWATER TREATMENT	3
	HOME RECYCLING OF GRAYWATER	3
	DO SEPTIC TANKS DO THE JOB?	3
	LAND APPLICATIONS OF WASTEWATER SOLIDS	2
	STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	3
	CHAPTER 3- SURFACE WATER RESOURCES	
	BEST MANAGEMENT PRACTICES FOR FORESTRY	2
	DO YOU DRINK IT?	2
	CHAPTER 4- GROUNDWATER RESOURCES	
	FLOW NETS	2
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	OIL SPILLS	3
Science and Technology: develop understandings about science and technology	**CHAPTER 1- INTRODUCTION TO WATER**	
	WATER WHIZ - A BOARD GAME	2
	WATER CAREERS	2
	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	1
	ENVIRONMENTAL INFRASTRUCTURE FINANCING	1
	IS YOUR WATER WELL FOR DRINKING?	2

RELATIONSHIP:
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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Science and Technology: develop understandings about science and technology (con't)	**CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT**	
	WATER WORKS	3
	SOURCE WATER PROTECTION: Surface Water Sources	2
	SOURCE WATER PROTECTION: Groundwater Sources	2
	WASTEWATER TREATMENT	1
	LAND APPLICATIONS OF WASTEWATER SOLIDS	1
	CHAPTER 3- SURFACE WATER RESOURCES	
	BEST MANAGEMENT PRACTICES FOR FORESTRY	1
	LEAKING UNDERGROUND STORAGE TANKS	2
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	OIL SPILLS	2
Science in Personal and Social Perspectives: develop understanding of personal and community health	**CHAPTER 1- INTRODUCTION TO WATER**	
	WATER: MORE PRICELESS THAN GOLD	1
	WATER YOU DOING ABOUT THIS?	1
	WHAT'S IN A BOTTLE OF WATER?	2
	KEEP OUR COMMUNITY BEAUTIFUL!	2
	ENVIRONMENTAL INFRASTRUCTURE FINANCING	2
	CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT	
	CHLORINATION FOR DISINFECTION	1
	SOURCE WATER PROTECTION: Surface Water Sources	1
	SOURCE WATER PROTECTION: Groundwater Sources	3
	HOME RECYCLING OF GRAYWATER	1
	DO SEPTIC TANKS DO THE JOB?	1
	STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	1
	CHAPTER 3- SURFACE WATER RESOURCES	
	WHAT ARE FECAL COLIFORMS AND HOW ARE THEY RELATED TO WATER QUALITY?	1

RELATIONSHIP:
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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Science in Personal and Social Perspectives: develop understanding of personal and community health	CLEAN CLOTHES - CLEAN ENVIRONMENT? PHOSPHATES	1
	WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD?	2
	RADON IN WATER	2
	LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	2
	LEAKING UNDERGROUND STORAGE TANKS	2
Science in Personal and Social Perspectives: develop understanding of population growth	**CHAPTER 1- INTRODUCTION TO WATER**	
	WATER: MORE PRICELESS THAN GOLD	1
	WATER YOU DOING ABOUT THIS?	1
Science in Personal and Social Perspectives: develop understanding of natural resources	**CHAPTER 1- INTRODUCTION TO WATER**	
	WATER, WATER EVERYWHERE	2
	A GLOBAL VIEW OF THE WET EARTH	3
	WATER WHIZ - A BOARD GAME	3
	HOW WOULD WE SAY IT WITHOUT WATER?	2
	WATER CAREERS	2
	WATER: MORE PRICELESS THAN GOLD	3
	WATER YOU DOING ABOUT THIS?	3
	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	3
	KEEP OUR COMMUNITY BEAUTIFUL!	2
	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	3
	ENVIRONMENTAL INFRASTRUCTURE FINANCING	3
	THERE "OUGHTA" BE A LAW	3
	UNCLE SAM SAYS, "KEEP IT CLEAN!"	3
	WATER CHEMISTRY CHECKUP	2
	HOW HARD IS WATER?	2
	IS YOUR WATER WELL FOR DRINKING?	1

RELATIONSHIP:
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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Science in Personal and Social Perspectives: develop understanding of natural resources (con't)	**CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT**	
	DRINKING WATER JEOPARDY	2
	SOURCE WATER PROTECTION: Surface Water Sources	3
	SOURCE WATER PROTECTION: Groundwater Sources	3
	METAL POLLUTION REDUCTION	1
	LAND APPLICATIONS OF WASTEWATER SOLIDS	1
	STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	2
	CHAPTER 3- SURFACE WATER RESOURCES	
	BEST MANAGEMENT PRACTICES FOR FORESTRY	2
	WHAT ARE FECAL COLIFORMS AND HOW ARE THEY RELATED TO WATER QUALITY?	2
	CHAPTER 4- GROUNDWATER RESOURCES	
	DO YOU DRINK IT?	2
	GROUNDWATER: CLEANING UP	2
	WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD?	2
	RADON IN WATER	2
	LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	2
	LEAKING UNDERGROUND STORAGE TANKS	2
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	UNDERSTANDING MARINE RESOURCES	2
	RIVER INPUT INTO THE GULF OF MEXICO	1
	EROSION KILL THE HABITATS THAT FEED YOU!	1
	OIL SPILLS	2
Science in Personal and Social Perspectives: develop understanding of environmental quality	**CHAPTER 1- INTRODUCTION TO WATER**	
	WATER WHIZ - A BOARD GAME	2
	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	2

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Science in Personal and Social Perspectives: develop understanding of environmental quality (con't)	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	2
	ENVIRONMENTAL INFRASTRUCTURE FINANCING	3
	THERE "OUGHTA" BE A LAW	2
	UNCLE SAM SAYS, "KEEP IT CLEAN!"	2
	WATER CHEMISTRY CHECKUP	3
	HOW HARD IS WATER?	3
	CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT	
	DRINKING WATER JEOPARDY	3
	SOURCE WATER PROTECTION: Groundwater Sources	2
	METAL POLLUTION REDUCTION	2
	WASTEWATER TREATMENT	3
	THE WORLD OF BIOLOGICAL WASTEWATER TREATMENT	1
	DO SEPTIC TANKS DO THE JOB?	2
	LAND APPLICATIONS OF WASTEWATER SOLIDS	2
	STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	3
	CHAPTER 3- SURFACE WATER RESOURCES	
	WHAT ARE FECAL COLIFORMS AND HOW ARE THEY RELATED TO WATER QUALITY?	2
	CLEAN CLOTHES - CLEAN ENVIRONMENT? PHOSPHATES	2
	CHAPTER 4- GROUNDWATER RESOURCES	
	DO YOU DRINK IT?	2
	GROUNDWATER: CLEANING UP	2
	WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD?	2
	RADON IN WATER	3
	LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	3
	LEAKING UNDERGROUND STORAGE TANKS	2
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	UNDERSTANDING MARINE RESOURCES	2
	RIVER INPUT INTO THE GULF OF MEXICO	2

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Science in Personal and Social Perspectives: develop understanding of environmental quality (con't)	EROSION KILL THE HABITATS THAT FEED YOU!	2
	OIL SPILLS	3
Science in Personal and Social Perspectives: develop understanding of natural and human-induced hazards	**CHAPTER 1- INTRODUCTION TO WATER**	
	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	2
	KEEP OUR COMMUNITY BEAUTIFUL!	2
	CHLORINATION FOR DISINFECTION	2
	CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT	
	DRINKING WATER JEOPARDY	1
	METAL POLLUTION REDUCTION	2
	THE WORLD OF BIOLOGICAL WASTEWATER TREATMENT	2
	DO SEPTIC TANKS DO THE JOB?	1
	STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	2
	CHAPTER 3- SURFACE WATER RESOURCES	
	WHAT ARE FECAL COLIFORMS AND HOW ARE THEY RELATED TO WATER QUALITY?	2
	CLEAN CLOTHES - CLEAN ENVIRONMENT? PHOSPHATES	2
	CHAPTER 4- GROUNDWATER RESOURCES	
	GROUNDWATER: CLEANING UP	2
	WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD?	2
	RADON IN WATER	3
	LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	2
	LEAKING UNDERGROUND STORAGE TANKS	2
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	OIL SPILLS	2

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
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CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	**CHAPTER 1- INTRODUCTION TO WATER**	
	WATER, WATER EVERYWHERE	2
	A GLOBAL VIEW OF THE WET EARTH	1
	WATER WHIZ - A BOARD GAME	2
	WATER CAREERS	2
	WATER: MORE PRICELESS THAN GOLD	2
	WATER YOU DOING ABOUT THIS?	2
	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	3
	WHAT'S IN A BOTTLE OF WATER?	1
	KEEP OUR COMMUNITY BEAUTIFUL!	2
	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	1
	ENVIRONMENTAL INFRASTRUCTURE FINANCING	3
	THERE "OUGHTA" BE A LAW	1
	UNCLE SAM SAYS, "KEEP IT CLEAN!"	1
	IS YOUR WATER WELL FOR DRINKING?	2
	CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT	
	CARBON TREATMENT FOR WATER POLLUTION CONTROL	1
	CHLORINATION FOR DISINFECTION	1
	SOURCE WATER PROTECTION: Surface Water Sources	2
	SOURCE WATER PROTECTION: Groundwater Sources	1
	METAL POLLUTION REDUCTION	2
	WASTEWATER TREATMENT	2
	THE WORLD OF BIOLOGICAL WASTEWATER TREATMENT	2
	HOME RECYCLING OF GRAYWATER	1
	DO SEPTIC TANKS DO THE JOB?	2
	LAND APPLICATIONS OF WASTEWATER SOLIDS	1
	STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	2

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF NATIONAL SCIENCE STANDARDS TO WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Science in Personal and Social Perspectives: develop understanding of science and technology in local, national, and global challenges	**CHAPTER 3- SURFACE WATER RESOURCES**	
	BEST MANAGEMENT PRACTICES FOR FORESTRY	1
	DO YOU DRINK IT?	1
	FLOW NETS	1
	CHAPTER 4- GROUNDWATER RESOURCES	
	WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD?	1
	RADON IN WATER	1
	LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	2
	LEAKING UNDERGROUND STORAGE TANKS	1
	CHAPTER 5- WETLANDS AND COASTAL WATERS	
	RIVER INPUT INTO THE GULF OF MEXICO	1
	EROSION KILL THE HABITATS THAT FEED YOU!	1
	OIL SPILLS	2
	WATER: POETIC, PROSAIC, MOSAIC	

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus activity

CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
CHAPTER 1- INTRODUCTION TO WATER		
THE HYDROLOGIC (WATER) CYCLE	**People, Places, & Environments:** use knowledge of physical system changes such as seasons, climate and weather, and the water cycle to explain geographic phenomena	3
SURVEYING THE PROPERTIES OF WATER	(No correlation to this activity.)	
CLEARLY H_2O	(No correlation to this activity.)	
WATER, WATER EVERYWHERE	**People, Places, & Environments:** examine, interpret, and analyze physical and cultural patterns and their interactions, such as land use, settlement patterns, cultural transmission of customs and ideas, and ecosystem changes	2
	Power, Authority, & Governance: analyze and explain ideas and mechanisms to meet needs and wants of citizens, regulate territory, mange conflict, establish order and security, and balance competing conceptions of a just society	2
	Production, Distribution, & Consumption: apply knowledge of economic concepts in developing a response to a current local economic issue, such as how to reduce the flow of trash into a rapidly filling landfill	2
	Science, Technology, & Society: make judgments about how science and technology have transformed the physical world and human society and our understanding of time, space, place, and human-environment interactions	2
	Global Connections: explain conditions and motivations that contribute to conflict, cooperation, and interdependence among groups, societies, and nations	2
	Global Connections: analyze the causes, consequences, and possible solutions to persistent, contemporary, and emerging global issues, such as health, security, resource allocation, economic development, and environmental quality	2
	Civic Ideals & Practices: locate, access, analyze, organize, synthesize, evaluate, and apply information about selected public issues - identifying, describing, and evaluating multiple points of view	2

RELATIONSHIP:
3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
1-objective is part of the focus of activity

CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
A GLOBAL VIEW OF THE WET EARTH	**Culture:** analyze and explain the ways groups, societies, and cultures address human needs and concerns	3
	People, Places, & Environments: create, interpret, use, and synthesize information from various representations of the earth , such as maps, globes, and photographs	2
	People, Places, & Environments: describe, differentiate, and explain the relationships among various regional and global patterns of geographic phenomena such as landforms, soils, climate, vegetation, natural resources, and population	2
	People, Places, & Environments: describe and compare how people create places that reflect culture, human needs, government policy, and current values and ideals as they design and build specialized buildings, neighborhoods, shopping centers, urban centers, industrial parks, and the like	2
	People, Places, & Environments: examine, interpret, and analyze physical and cultural patterns and their interactions, such as land use, settlement patterns, cultural transmission of customs and ideas, and ecosystem changes	2
	People, Places, & Environments: analyze and evaluate social and economic effects of environmental changes and crises resulting from phenomena such as floods, storms, and droughts	2
	People, Places, & Environments: propose, compare, and evaluate alternative policies for the use of land and other resources in communities, regions, nations, and the world	2
WATER WHIZ - A BOARD GAME	**Culture:** analyze and explain the ways groups, societies, and cultures address human needs and concerns	1
	Production, Distribution, & Consumption: analyze the role that supply and demand, prices, incentives, and profits play in determining what is produced and distributed in a competitive market system	2
	Production, Distribution, & Consumption: consider the costs and benefits to society of allocating goods and services through private and public sectors	2
WATER: POETIC, PROSAIC, MOSAIC	(No correlation to this activity.)	
HOW WOULD WE SAY IT WITHOUT WATER?	(No correlation to this activity.)	

RELATIONSHIP:
3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
1-objective is part of the focus of activity

CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
WATER CAREERS	**Production, Distribution, & Consumption:** analyze the role of specialization and exchange in economic processes	3

RELATIONSHIP:
3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
1-objective is part of the focus of activity

CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
WATER: MORE PRICELESS THAN GOLD	**Power, Authority, & Governance:** analyze and explain ideas and mechanisms to meet needs and wants of citizens, regulate territory, mange conflict, establish order and security, and balance competing conceptions of a just society	3
	Production, Distribution, & Consumption: apply knowledge of economic concepts in developing a response to a current local economic issue, such as how to reduce the flow of trash into a rapidly filling landfill	1
	Civic Ideals & Practices: locate, access, analyze, organize, synthesize, evaluate, and apply information about selected public issues - identifying, describing, and evaluating multiple points of view	2
	Civic Ideals & Practices: analyze and evaluate the influence of various forms of citizen action on public policy	2
WATER: MORE PRICELESS THAN GOLD (CON'T)	**Civic Ideals & Practices:** evaluate the effectiveness of public opinion in influencing and shaping public policy development and decision-making	2
	Civic Ideals & Practices: construct a policy statement and an action plan to achieve one or more goals related to an issue of public concern	2
	Civic Ideals & Practices: participate in activities to strengthen the "common good," based upon careful evaluation of possible options for citizen action	2
WATER YOU DOING ABOUT THIS?	**Power, Authority, & Governance:** analyze and explain ideas and mechanisms to meet needs and wants of citizens, regulate territory, mange conflict, establish order and security, and balance competing conceptions of a just society	2
	Production, Distribution, & Consumption: analyze the role that supply and demand, prices, incentives, and profits play in determining what is produced and distributed in a competitive market system	1
	Production, Distribution, & Consumption: apply knowledge of economic concepts in developing a response to a current local economic issue, such as how to reduce the flow of trash into a rapidly filling landfill	1
ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	**Individual Development & Identity:** work independently and cooperatively within groups and institutions to accomplish goals	3
	Power, Authority, & Governance: analyze and explain ideas and mechanisms to meet needs and wants of citizens, regulate territory, mange conflict, establish order and security, and balance competing conceptions of a just society	3

RELATIONSHIP:
3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
1-objective is part of the focus of activity

CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
ENVIRONMENTAL CONTROVERSY: CLASS PROJECT (CON'T)	**Power, Authority, & Governance:** analyze and evaluate conditions, actions, and motivations that contribute to conflict and cooperation within and among nations	3
	Power, Authority, & Governance: prepare a public policy paper and present and defend it before an appropriate forum in school or community	1
	Production, Distribution, & Consumption: analyze the role that supply and demand, prices, incentives, and profits play in determining what is produced and distributed in a competitive market system	1
"pH - THE FIRST CLUE TO WATER QUALITY"	(No correlation to this activity.)	
WHAT'S IN A BOTTLE OF WATER?	**Production, Distribution, & Consumption:** analyze the role that supply and demand, prices, incentives, and profits play in determining what is produced and distributed in a competitive market system	2
	Production, Distribution, & Consumption: compare how values and beliefs influence economic decisions in different societies	1
KEEP OUR COMMUNITY BEAUTIFUL!	**People, Places, & Environments:** examine, interpret, and analyze physical and cultural patterns and their interactions, such as land use, settlement patterns, cultural transmission of customs and ideas, and ecosystem changes	2
	People, Places, & Environments: propose, compare, and evaluate alternative policies for the use of land and other resources in communities, regions, nations, and the world	2
	Individual Development & Identity: work independently and cooperatively within groups and institutions to accomplish goals	2
	Individuals, Groups, & Institutions: explain and apply ideas and modes of inquiry drawn from behavioral science and social theory in the examination of persistent issues and social problems	1
RISK ASSESSMENT: HOW MUCH RISK ARE YOU WILLING TO TAKE?	**Individual Development & Identity:** analyze the role of perceptions, attitudes, values, and beliefs in the development of personal identity	2
	Individuals, Groups, & Institutions: identify and analyze examples of tensions between expressions of individuality and efforts used to promote social conformity by groups and institutions	2

RELATIONSHIP:
3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
1-objective is part of the focus of activity

CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
RISK ASSESSMENT: HOW MUCH RISK ARE YOU WILLING TO TAKE? (CON'T)	**Production, Distribution, & Consumption:** analyze the role that supply and demand, prices, incentives, and profits play in determining what is produced and distributed in a competitive market system	2
	Production, Distribution, & Consumption: apply knowledge of economic concepts in developing a response to a current local economic issue, such as how to reduce the flow of trash into a rapidly filling landfill	1
INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	**Culture:** analyze and explain the ways groups, societies, and cultures address human needs and concerns	2
	Individual Development & Identity: work independently and cooperatively within groups and institutions to accomplish goals	3
	Individuals, Groups, & Institutions: explain and apply ideas and modes of inquiry drawn from behavioral science and social theory in the examination of persistent issues and social problems	1
	Power, Authority, & Governance: analyze and explain ideas and mechanisms to meet needs and wants of citizens, regulate territory, mange conflict, establish order and security, and balance competing conceptions of a just society	2
	Power, Authority, & Governance: analyze and evaluate conditions, actions, and motivations that contribute to conflict and cooperation within and among nations	2
	Global Connections: analyze the causes, consequences, and possible solutions to persistent, contemporary, and emerging global issues, such as health, security, resource allocation, economic development, and environmental quality	1
	Global Connections: analyze the relationships and tensions between national sovereignty and global interests, in such matters as territory, economic development, nuclear and other weapons, use of natural resources, and human concerns	2
	Global Connections: illustrate how individual behaviors and decisions connect with global systems	1
	People, Places, & Environments: propose, compare, and evaluate alternative policies for the use of land and other resources in communities, regions, nations, and the world	2

RELATIONSHIP:
3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
1-objective is part of the focus of activity

CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
ENVIRONMENTAL INFRASTRUCTURE FINANCING	**Power, Authority, & Governance:** analyze and explain ideas and mechanisms to meet needs and wants of citizens, regulate territory, mange conflict, establish order and security, and balance competing conceptions of a just society	1
	Science, Technology, & Society: make judgments about how science and technology have transformed the physical world and human society and our understanding of time, space, place, and human-environment interactions	1
	Civic Ideals & Practices: locate, access, analyze, organize, synthesize, evaluate, and apply information about selected public issues - identifying, describing, and evaluating multiple points of view	2
	Civic Ideals & Practices: evaluate the effectiveness of public opinion in influencing and shaping public policy development and decision-making	1
	Civic Ideals & Practices: participate in activities to strengthen the "common good," based upon careful evaluation of possible options for citizen action	2
THERE "OUGHTA" BE A LAW	**People, Places, & Environments:** examine, interpret, and analyze physical and cultural patterns and their interactions, such as land use, settlement patterns, cultural transmission of customs and ideas, and ecosystem changes	2
	People, Places, & Environments: propose, compare, and evaluate alternative policies for the use of land and other resources in communities, regions, nations, and the world	2
	Power, Authority, & Governance: analyze and explain ideas and mechanisms to meet needs and wants of citizens, regulate territory, mange conflict, establish order and security, and balance competing conceptions of a just society	2
	Production, Distribution, & Consumption: apply knowledge of economic concepts in developing a response to a current local economic issue, such as how to reduce the flow of trash into a rapidly filling landfill	2
	Civic Ideals & Practices: locate, access, analyze, organize, synthesize, evaluate, and apply information about selected public issues - identifying, describing, and evaluating multiple points of view	2
	Civic Ideals & Practices: analyze and evaluate the influence of various forms of citizen action on public policy	2

RELATIONSHIP:
3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
1-objective is part of the focus of activity

CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
	Civic Ideals & Practices: construct a policy statement and an action plan to achieve one or more goals related to an issue of public concern	1

RELATIONSHIP:
3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
1-objective is part of the focus of activity

CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
UNCLE SAM SAYS, "KEEP IT CLEAN!"	**People, Places, & Environments:** examine, interpret, and analyze physical and cultural patterns and their interactions, such as land use, settlement patterns, cultural transmission of customs and ideas, and ecosystem changes	2
	People, Places, & Environments: propose, compare, and evaluate alternative policies for the use of land and other resources in communities, regions, nations, and the world	2
	Power, Authority, & Governance: analyze and explain ideas and mechanisms to meet needs and wants of citizens, regulate territory, mange conflict, establish order and security, and balance competing conceptions of a just society	2
	Production, Distribution, & Consumption: apply knowledge of economic concepts in developing a response to a current local economic issue, such as how to reduce the flow of trash into a rapidly filling landfill	2
	Civic Ideals & Practices: locate, access, analyze, organize, synthesize, evaluate, and apply information about selected public issues - identifying, describing, and evaluating multiple points of view	2
	Civic Ideals & Practices: analyze and evaluate the influence of various forms of citizen action on public policy	2
	Civic Ideals & Practices: construct a policy statement and an action plan to achieve one or more goals related to an issue of public concern	1
WATER CHEMISTRY CHECKUP	(No correlation to this activity.)	
HOW HARD IS WATER?	(No correlation to this activity.)	
IS YOUR WATER WELL FOR DRINKING?	**Power, Authority, & Governance:** analyze and explain ideas and mechanisms to meet needs and wants of citizens, regulate territory, mange conflict, establish order and security, and balance competing conceptions of a just society	1
	Civic Ideals & Practices: locate, access, analyze, organize, synthesize, evaluate, and apply information about selected public issues - identifying, describing, and evaluating multiple points of view	2
	Civic Ideals & Practices: evaluate the effectiveness of public opinion in influencing and shaping public policy development and decision-making	1

RELATIONSHIP:
3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
1-objective is part of the focus of activity

CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT		
WATER WORKS	(No correlation to this activity.)	
CARBON TREATMENT FOR WATER POLLUTION CONTROL	(No correlation to this activity.)	
CHLORINATION FOR DISINFECTION	(No correlation to this activity.)	
DRINKING WATER JEOPARDY	(No correlation to this activity.)	
SOURCE WATER PROTECTION: Surface Water Sources	**People, Places, & Environments:** describe, differentiate, and explain the relationships among various regional and global patterns of geographic phenomena such as landforms, soils, climate, vegetation, natural resources, and population	1
SOURCE WATER PROTECTION: Surface Water Sources	**People, Places, & Environments:** examine, interpret, and analyze physical and cultural patterns and their interactions, such as land use, settlement patterns, cultural transmission of customs and ideas, and ecosystem changes	2
SOURCE WATER PROTECTION: Surface Water Sources	**People, Places, & Environments:** propose, compare, and evaluate alternative policies for the use of land and other resources in communities, regions, nations, and the world	1
	Civic Ideals & Practices: construct a policy statement and an action plan to achieve one or more goals related to an issue of public concern	2
	Civic Ideals & Practices: participate in activities to strengthen the "common good," based upon careful evaluation of possible options for citizen action	1
SOURCE WATER PROTECTION: Groundwater Sources	**People, Places, & Environments:** describe, differentiate, and explain the relationships among various regional and global patterns of geographic phenomena such as landforms, soils, climate, vegetation, natural resources, and population	1
	People, Places, & Environments: examine, interpret, and analyze physical and cultural patterns and their interactions, such as land use, settlement patterns, cultural transmission of customs and ideas, and ecosystem changes	2
	People, Places, & Environments: propose, compare, and evaluate alternative policies for the use of land and other resources in communities, regions, nations, and the world	1

RELATIONSHIP:
3-performance objective main focus of activity, direct relation to objective
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CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
SOURCE WATER PROTECTION: Groundwater Sources (CON'T)	**Civic Ideals & Practices:** construct a policy statement and an action plan to achieve one or more goals related to an issue of public concern **Civic Ideals & Practices:** participate in activities to strengthen the "common good," based upon careful evaluation of possible options for citizen action	2 1
HOW ARE DETECTION LIMITS SET FOR WATER POLLUTANTS?	(No correlation to this activity.)	
METAL POLLUTION REDUCTION	(No correlation to this activity.)	
WHAT IS IN SOURCE WATER?	(No correlation to this activity.)	
WASTEWATER TREATMENT	(No correlation to this activity.)	
THE WORLD OF BIOLOGICAL WASTEWATER TREATMENT	(No correlation to this activity.)	
HOME RECYCLING OF GRAYWATER	(No correlation to this activity.)	
DO SEPTIC TANKS DO THE JOB?	(No correlation to this activity.)	
LAND APPLICATIONS OF WASTEWATER SOLIDS	(No correlation to this activity.)	
STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	(No correlation to this activity.)	
CHAPTER 3- SURFACE WATER RESOURCES		
BIOGRAPHY OF A RIVER	**Time, Continuity, & Change:** apply key concepts such as time, chronology, causality, change, conflict, and complexity to explain, analyze, and show connections among patterns of historical change and continuity **People, Places, & Environments:** refine mental maps of locales, regions, and the world that demonstrate understanding of relative location, direction, size, and shape **People, Places, & Environments:** describe, differentiate, and explain the relationships among various regional and global patterns of geographic phenomena such as landforms, soils, climate, vegetation, natural resources, and population	1 1 2

RELATIONSHIP:
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2-objective supported or addressed in activity
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CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
	People, Places, & Environments: describe and compare how people create places that reflect culture, human needs, government policy, and current values and ideals as they design and build specialized buildings, neighborhoods, shopping centers, urban centers, industrial parks, and the like	3
BIOGRAPHY OF A RIVER (CON'T)	**People, Places, & Environments:** examine, interpret, and analyze physical and cultural patterns and their interactions, such as land use, settlement patterns, cultural transmission of customs and ideas, and ecosystem changes	3
	People, Places, & Environments: analyze and evaluate social and economic effects of environmental changes and crises resulting from phenomena such as floods, storms, and droughts	1
CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	**People, Places, & Environments:** create, interpret, use, and synthesize information from various representations of the earth , such as maps, globes, and photographs	2
	People, Places, & Environments: use appropriate resources, data sources, and geographic tools such as aerial photographs, satellite mages, geographic information systems (GIS), map projections, and cartography to generate, manipulate, and interpret information such as atlases, data bases, grid systems, charts, graphs, and maps	2
	People, Places, & Environments: use knowledge of physical system changes such as seasons, climate and weather, and the water cycle to explain geographic phenomena	2
HELP! LAKE OVERTURNING!	(No correlation to this activity.)	
THE AGING OF LAKES	(No correlation to this activity.)	
BIODIVERSITY = WATER QUALITY	(No correlation to this activity.)	
FLOODS	**People, Places, & Environments:** create, interpret, use, and synthesize information from various representations of the earth , such as maps, globes, and photographs	2
	People, Places, & Environments: describe, differentiate, and explain the relationships among various regional and global patterns of geographic phenomena such as landforms, soils, climate, vegetation, natural resources, and population	2

RELATIONSHIP:
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CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
	People, Places, & Environments: use knowledge of physical system changes such as seasons, climate and weather, and the water cycle to explain geographic phenomena	1
	People, Places, & Environments: analyze and evaluate social and economic effects of environmental changes and crises resulting from phenomena such as floods, storms, and droughts	3
BEST MANAGEMENT PRACTICES FOR FORESTRY	(No correlation to this activity.)	
SIMPLE TEST FOR MICROBIAL CONTAMINATION	(No correlation to this activity.)	
POLLUTANTS: HOW MUCH TOTAL OR HOW MUCH PER UNIT OF WATER?	(No correlation to this activity.)	
ETHICAL DILEMMAS WHAT'S A BODY TO DO?	**Individual Development & Identity:** analyze the role of perceptions, attitudes, values, and beliefs in the development of personal identity	2
	Individuals, Groups, & Institutions: analyze group and institutional influences on people, events, and elements of culture in both historical and contemporary settings	1
	Individuals, Groups, & Institutions: identify and analyze examples of tensions between expressions of individuality and efforts used to promote social conformity by groups and institutions	2
	Individuals, Groups, & Institutions: explain and apply ideas and modes of inquiry drawn from behavioral science and social theory in the examination of persistent issues and social problems	2
WHAT ARE FECAL COLIFORMS AND HOW ARE THEY RELATED TO WATER QUALITY?	(No correlation to this activity.)	
TURBIDITY	(No correlation to this activity.)	
CLEAN CLOTHES - CLEAN ENVIRONMENT? PHOSPHATES	(No correlation to this activity.)	
WHAT TURNED THE CREEK ORANGE?	(No correlation to this activity.)	
THERMAL POLLUTION	(No correlation to this activity.)	
CHAPTER 4- GROUNDWATER RESOURCES		
GROUNDWATER BASIC	(No correlation to this activity.)	
FROM GROUND TO WATER	(No correlation to this activity.)	
WHAT'S THE LEVEL?	(No correlation to this activity.)	

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CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
WHAT GOES ON DOWN UNDER?	(No correlation to this activity.)	
DO YOU DRINK IT?	(No correlation to this activity.)	
HYDRAULIC HEAD	(No correlation to this activity.)	
FLOW NETS	**People, Places, & Environments:** refine mental maps of locales, regions, and the world that demonstrate understanding of relative location, direction, size, and shape	2
	People, Places, & Environments: create, interpret, use, and synthesize information from various representations of the earth , such as maps, globes, and photographs	3
FLOW NETS (CON'T)	**People, Places, & Environments:** use appropriate resources, data sources, and geographic tools such as aerial photographs, satellite mages, geographic information systems (GIS), map projections, and cartography to generate, manipulate, and interpret information such as atlases, data bases, grid systems, charts, graphs, and maps	2
	People, Places, & Environments: calculate distance, scale, area, and density, and distinguish spatial distribution patterns	3
	People, Places, & Environments: describe, differentiate, and explain the relationships among various regional and global patterns of geographic phenomena such as landforms, soils, climate, vegetation, natural resources, and population	2
GROUNDWATER: CLEANING UP	(No correlation to this activity.)	
WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD?	(No correlation to this activity.)	
RADON IN WATER	(No correlation to this activity.)	
LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	(No correlation to this activity.)	
LEAKING UNDERGROUND STORAGE TANKS	**Individual Development & Identity:** work independently and cooperatively within groups and institutions to accomplish goals	2
	Power, Authority, & Governance: analyze and explain ideas and mechanisms to meet needs and wants of citizens, regulate territory, mange conflict, establish order and security, and balance competing conceptions of a just society	2

RELATIONSHIP:
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2-objective supported or addressed in activity
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CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
	Civic Ideals & Practices: locate, access, analyze, organize, synthesize, evaluate, and apply information about selected public issues - identifying, describing, and evaluating multiple points of view	2
	Civic Ideals & Practices: construct a policy statement and an action plan to achieve one or more goals related to an issue of public concern	1

RELATIONSHIP:
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CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
CHAPTER 5- WETLANDS AND COASTAL WATERS		
An Alternative to the "What I Did on Summer Vacation - What I Can Do on Summer Vacation."	(No correlation to this activity.)	
UNDERSTANDING MARINE RESOURCES	**Culture:** analyze and explain the ways groups, societies, and cultures address human needs and concerns	2
	Production, Distribution, & Consumption: analyze the role that supply and demand, prices, incentives, and profits play in determining what is produced and distributed in a competitive market system	1
RIVER INPUT INTO THE GULF OF MEXICO	**People, Places, & Environments:** create, interpret, use, and synthesize information from various representations of the earth , such as maps, globes, and photographs	1
	People, Places, & Environments: use appropriate resources, data sources, and geographic tools such as aerial photographs, satellite mages, geographic information systems (GIS), map projections, and cartography to generate, manipulate, and interpret information such as atlases, data bases, grid systems, charts, graphs, and maps	1
	People, Places, & Environments: describe, differentiate, and explain the relationships among various regional and global patterns of geographic phenomena such as landforms, soils, climate, vegetation, natural resources, and population	2
	People, Places, & Environments: use knowledge of physical system changes such as seasons, climate and weather, and the water cycle to explain geographic phenomena	2
	People, Places, & Environments: examine, interpret, and analyze physical and cultural patterns and their interactions, such as land use, settlement patterns, cultural transmission of customs and ideas, and ecosystem changes	2
WETLANDS, USA - MORE THAN SWAMPS!	**People, Places, & Environments:** describe, differentiate, and explain the relationships among various regional and global patterns of geographic phenomena such as landforms, soils, climate, vegetation, natural resources, and population	3
	People, Places, & Environments: use knowledge of physical system changes such as seasons, climate and weather, and the water cycle to explain geographic phenomena	2

RELATIONSHIP:
3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
1-objective is part of the focus of activity

CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
WETLANDS, USA - MORE THAN SWAMPS! (CON'T)	**People, Places, & Environments:** describe and compare how people create places that reflect culture, human needs, government policy, and current values and ideals as they design and build specialized buildings, neighborhoods, shopping centers, urban centers, industrial parks, and the like	1
	People, Places, & Environments: examine, interpret, and analyze physical and cultural patterns and their interactions, such as land use, settlement patterns, cultural transmission of customs and ideas, and ecosystem changes	2
KNOW YOUR GULF	(No correlation to this activity.)	
SEA MARGIN DIVERSITY	**People, Places, & Environments:** describe, differentiate, and explain the relationships among various regional and global patterns of geographic phenomena such as landforms, soils, climate, vegetation, natural resources, and population	2
	People, Places, & Environments: use knowledge of physical system changes such as seasons, climate and weather, and the water cycle to explain geographic phenomena	2
ESTUARIES: INTERFACE BETWEEN SEA AND LAND	**People, Places, & Environments:** describe, differentiate, and explain the relationships among various regional and global patterns of geographic phenomena such as landforms, soils, climate, vegetation, natural resources, and population	2
	People, Places, & Environments: use knowledge of physical system changes such as seasons, climate and weather, and the water cycle to explain geographic phenomena	2
	People, Places, & Environments: examine, interpret, and analyze physical and cultural patterns and their interactions, such as land use, settlement patterns, cultural transmission of customs and ideas, and ecosystem changes	2
EROSION KILL THE HABITATS THAT FEED YOU!	**People, Places, & Environments:** use knowledge of physical system changes such as seasons, climate and weather, and the water cycle to explain geographic phenomena	2
	People, Places, & Environments: analyze and evaluate social and economic effects of environmental changes and crises resulting from phenomena such as floods, storms, and droughts	2
	People, Places, & Environments: propose, compare, and evaluate alternative policies for the use of land and other resources in communities, regions, nations, and the world	2

RELATIONSHIP:
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CORRELATION OF SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK

(BY ACTIVITY)

Activity	Performance Objective	Relation
OIL SPILLS	(No correlation to this activity.)	
IMPACT GOVERNMENTAL REGULATIONS ON MARINE DEBRIS - WRITE A LETTER!	**People, Places, & Environments:** propose, compare, and evaluate alternative policies for the use of land and other resources in communities, regions, nations, and the world **Power, Authority, & Governance:** analyze and evaluate conditions, actions, and motivations that contribute to conflict and cooperation within and among nations	2 2
"HOW WATER PROCESSES MOVE SAND"	**People, Places, & Environments:** create, interpret, use, and synthesize information from various representations of the earth , such as maps, globes, and photographs **People, Places, & Environments:** use knowledge of physical system changes such as seasons, climate and weather, and the water cycle to explain geographic phenomena	1 1
SWEPT AWAY -- OR -- WHERE WILL YOU BE WHEN THE WATER COMES?	(No correlation to this activity.)	

RELATIONSHIP:
3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
1-objective is part of the focus of activity

CORRECATION OF NATIONAL SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK (9-12)

(BY PERFORMANCE OBJECTIVE)

Performance Objective	Activity	Relation
Culture- Social studies programs should include experiences that provide for the study of *culture and cultural diversity,* so that the learner can:		
Culture: analyze and explain the ways groups, societies, and cultures address human needs and concerns	A GLOBAL VIEW OF THE WET EARTH	3
	WATER WHIZ - A BOARD GAME	1
	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	2
	UNDERSTANDING MARINE RESOURCES	2
Time, Continuity, & Change- Social studies programs should include experiences that provide for the study of *the ways human beings view themselves in ad over time,* so that the learner can:		
Time, Continuity, & Change: apply key concepts such as time, chronology, causality, change, conflict, and complexity to explain, analyze, and show connections among patterns of historical change and continuity	BIOGRAPHY OF A RIVER	1
People, Places, & Environments- Social studies programs should include experiences that provide for the study of *people, places, and environments,* so that the learner can:		
People, Places, & Environments: refine mental maps of locales, regions, and the world that demonstrate understanding of relative location, direction, size, and shape	BIOGRAPHY OF A RIVER	1
	FLOW NETS	2
People, Places, & Environments: create, interpret, use, and synthesize information from various representations of the earth , such as maps, globes, and photographs	A GLOBAL VIEW OF THE WET EARTH	2
	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	2
	FLOODS	2
	FLOW NETS	3

NOTE: NOT ALL PERFORMANCE EXPECTATIONS ARE MET.

3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
1-objective is part of focus of activity

CORRECATION OF NATIONAL SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK (9-12)

(BY PERFORMANCE OBJECTIVE)

Performance Objective	Activity	Relation
People, Places, & Environments: create, interpret, use, and synthesize information from various representations of the earth , such as maps, globes, and photographs (con't)	RIVER INPUT INTO THE GULF OF MEXICO	1
	"HOW WATER PROCESSES MOVE SAND"	1
People, Places, & Environments: use appropriate resources, data sources, and geographic tools such as aerial photographs, satellite mages, geographic information systems (GIS), map projections, and cartography to generate, manipulate, and interpret information such as atlases, data bases, grid systems, charts, graphs, and maps	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	2
	FLOW NETS	2
	RIVER INPUT INTO THE GULF OF MEXICO	1
People, Places, & Environments: calculate distance, scale, area, and density, and distinguish spatial distribution patterns	FLOW NETS	3
People, Places, & Environments: describe, differentiate, and explain the relationships among various regional and global patterns of geographic phenomena such as landforms, soils, climate, vegetation, natural resources, and population	A GLOBAL VIEW OF THE WET EARTH	2
	SOURCE WATER PROTECTION: Surface Water Sources	1
	SOURCE WATER PROTECTION: Groundwater Sources	1
	BIOGRAPHY OF A RIVER	2
	FLOODS	2
	FLOW NETS	2
	RIVER INPUT INTO THE GULF OF MEXICO	2
	WETLANDS, USA - MORE THAN SWAMPS!	3
	SEA MARGIN DIVERSITY	2
	ESTUARIES: INTERFACE BETWEEN SEA AND LAND	2
People, Places, & Environments: use knowledge of physical system changes such as seasons, climate and weather, and the water cycle to explain geographic phenomena	THE HYDROLOGIC (WATER) CYCLE	3
	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	2

NOTE: NOT ALL PERFORMANCE EXPECTATIONS ARE MET.

3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
1-objective is part of focus of activity

CORRECATION OF NATIONAL SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK (9-12)

(BY PERFORMANCE OBJECTIVE)

Performance Objective	Activity	Relation
People, Places, & Environments: use knowledge of physical system changes such as seasons, climate and weather, and the water cycle to explain geographic phenomena (con't)	FLOODS	1
	RIVER INPUT INTO THE GULF OF MEXICO	2
	WETLANDS, USA - MORE THAN SWAMPS!	2
	SEA MARGIN DIVERSITY	2
	ESTUARIES: INTERFACE BETWEEN SEA AND LAND	2
	EROSION KILL THE HABITATS THAT FEED YOU!	2
	"HOW WATER PROCESSES MOVE SAND"	1
	A GLOBAL VIEW OF THE WET EARTH	2
	BIOGRAPHY OF A RIVER	3
	WETLANDS, USA - MORE THAN SWAMPS!	1
People, Places, & Environments: examine, interpret, and analyze physical and cultural patterns and their interactions, such as land use, settlement patterns, cultural transmission of customs and ideas, and ecosystem changes	WATER, WATER EVERYWHERE	2
	A GLOBAL VIEW OF THE WET EARTH	2
	KEEP OUR COMMUNITY BEAUTIFUL!	2
	THERE "OUGHTA" BE A LAW	2
	UNCLE SAM SAYS, "KEEP IT CLEAN!"	2
	SOURCE WATER PROTECTION: Surface Water Sources	2
	SOURCE WATER PROTECTION: Groundwater Sources	2
	BIOGRAPHY OF A RIVER	3
	RIVER INPUT INTO THE GULF OF MEXICO	2
	WETLANDS, USA - MORE THAN SWAMPS!	2
	ESTUARIES: INTERFACE BETWEEN SEA AND LAND	2

NOTE: NOT ALL PERFORMANCE EXPECTATIONS ARE MET.

3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
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CORRECATION OF NATIONAL SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK (9-12)

(BY PERFORMANCE OBJECTIVE)

Performance Objective	Activity	Relation
People, Places, & Environments: analyze and evaluate social and economic effects of environmental changes and crises resulting from phenomena such as floods, storms, and droughts	A GLOBAL VIEW OF THE WET EARTH	2
People, Places, & Environments: analyse and evaluate…(con't)	BIOGRAPHY OF A RIVER	1
	FLOODS	3
	EROSION KILL THE HABITATS THAT FEED YOU!	2
People, Places, & Environments: propose, compare, and evaluate alternative policies for the use of land and other resources in communities, regions, nations, and the world	A GLOBAL VIEW OF THE WET EARTH	2
	KEEP OUR COMMUNITY BEAUTIFUL!	2
	ENVIRONMENTAL INFRASTRUCTURE FINANCING	2
	THERE "OUGHTA" BE A LAW	2
	UNCLE SAM SAYS, "KEEP IT CLEAN!"	2
	SOURCE WATER PROTECTION: Surface Water Sources	1
	SOURCE WATER PROTECTION: Groundwater Sources	1
	EROSION KILL THE HABITATS THAT FEED YOU!	2
	IMPACT GOVERNMENTAL REGULATIONS ON MARINE DEBRIS - WRITE A LETTER!	2
Individual Development & Identity- Social studies programs should include experiences that provide for the study of *individual development and identity,* so that the learner can:		
Individual Development & Identity: analyze the role of perceptions, attitudes, values, and beliefs in the development of personal identity	RISK ASSESSMENT: HOW MUCH RISK ARE YOU WILLING TO TAKE?	2
	ETHICAL DILEMMAS WHAT'S A BODY TO DO?	2
Individual Development & Identity: work independently and cooperatively within groups and institutions to accomplish goals	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	3
	KEEP OUR COMMUNITY BEAUTIFUL!	2

NOTE: NOT ALL PERFORMANCE EXPECTATIONS ARE MET.

3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
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CORRECATION OF NATIONAL SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK (9-12)

(BY PERFORMANCE OBJECTIVE)

Performance Objective	Activity	Relation
Individual Development & Identity: work independently and cooperatively within groups and institutions to accomplish goals (con't)	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	3
	LEAKING UNDERGROUND STORAGE TANKS	2
Individuals, Groups, & Institutions- Social studies programs should include experiences that provide for the study of *interactions among individuals, groups, and institutions* so that the learner can:		
Individuals, Groups, & Institutions: analyze group and institutional influences on people, events, and elements of culture in both historical and contemporary settings	ETHICAL DILEMMAS WHAT'S A BODY TO DO?	1
Individuals, Groups, & Institutions: identify and analyze examples of tensions between expressions of individuality and efforts used to promote social conformity by groups and institutions	RISK ASSESSMENT: HOW MUCH RISK ARE YOU WILLING TO TAKE?	2
	ETHICAL DILEMMAS WHAT'S A BODY TO DO?	2
Individuals, Groups, & Institutions: explain and apply ideas and modes of inquiry drawn from behavioral science and social theory in the examination of persistent issues and social problems	KEEP OUR COMMUNITY BEAUTIFUL!	1
	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	1
	ETHICAL DILEMMAS WHAT'S A BODY TO DO?	2
Power, Authority, & Governance- Social studies programs should include experiences that provide for the study of *how people create and change structures of power, authority, and governance,* so that the learner can:		
Power, Authority, & Governance: analyze and explain ideas and mechanisms to meet needs and wants of citizens, regulate territory, mange conflict, establish order and security, and balance competing conceptions of a just society	WATER, WATER EVERYWHERE	2
	WATER: MORE PRICELESS THAN GOLD	3

NOTE: NOT ALL PERFORMANCE EXPECTATIONS ARE MET.

3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
1-objective is part of focus of activity

CORRECATION OF NATIONAL SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK (9-12)

(BY PERFORMANCE OBJECTIVE)

Performance Objective	Activity	Relation
Power, Authority, & Governance: analyze and explain ideas and mechanisms to meet needs and wants of citizens, regulate territory, mange conflict, establish order and security, and balance competing conceptions of a just society	WATER YOU DOING ABOUT THIS?	2
Power, Authority, & Governance: analyze and explain ideas and mechanisms to meet needs and wants of citizens, regulate territory, mange conflict, establish order and security, and balance competing conceptions of a just society (con't)	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	3
	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	2
	ENVIRONMENTAL INFRASTRUCTURE FINANCING	1
	THERE "OUGHTA" BE A LAW	2
	UNCLE SAM SAYS, "KEEP IT CLEAN!"	2
	IS YOUR WATER WELL FOR DRINKING?	1
	LEAKING UNDERGROUND STORAGE TANKS	2
Power, Authority, & Governance: analyze and evaluate conditions, actions, and motivations that contribute to conflict and cooperation within and among nations	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	3
	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	2
	IMPACT GOVERNMENTAL REGULATIONS ON MARINE DEBRIS - WRITE A LETTER!	2
Power, Authority, & Governance: prepare a public policy paper and present and defend it before an appropriate forum in school or community	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	1

NOTE: NOT ALL PERFORMANCE EXPECTATIONS ARE MET.

3-performance objective main focus of activity, direct relation to objective
2-objective supported or addressed in activity
1-objective is part of focus of activity

CORRECATION OF NATIONAL SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK (9-12)

(BY PERFORMANCE OBJECTIVE)

Performance Objective	Activity	Relation
Production, Distribution, & Consumption- Social studies programs should include experiences that provide for the study of *how people organize for the production, distribution, and consumption of goods and services,* so that the learner can:		
Production, Distribution, & Consumption: analyze the role that supply and demand, prices, incentives, and profits play in determining what is produced and distributed in a competitive market system	WATER WHIZ - A BOARD GAME	2
	WATER YOU DOING ABOUT THIS?	1
	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	1
	WHAT'S IN A BOTTLE OF WATER?	2
	RISK ASSESSMENT: HOW MUCH RISK ARE YOU WILLING TO TAKE?	2
	UNDERSTANDING MARINE RESOURCES	1
Production, Distribution, & Consumption: consider the costs and benefits to society of allocating goods and services through private and public sectors	WATER WHIZ - A BOARD GAME	2
Production, Distribution, & Consumption: analyze the role of specialization and exchange in economic processes	WATER CAREERS	3
Production, Distribution, & Consumption: compare how values and beliefs influence economic decisions in different societies	WHAT'S IN A BOTTLE OF WATER?	1
Production, Distribution, & Consumption: apply knowledge of economic concepts in developing a response to a current local economic issue, such as how to reduce the flow of trash into a rapidly filling landfill	WATER, WATER EVERYWHERE	2
	WATER: MORE PRICELESS THAN GOLD	1
	WATER YOU DOING ABOUT THIS?	1
	RISK ASSESSMENT: HOW MUCH RISK ARE YOU WILLING TO TAKE?	1

NOTE: NOT ALL PERFORMANCE EXPECTATIONS ARE MET.

3-performance objective main focus of activity, direct relation to objective
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CORRECATION OF NATIONAL SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK (9-12)

(BY PERFORMANCE OBJECTIVE)

Performance Objective	Activity	Relation
Production, Distribution, & Consumption: apply knowledge of economic concepts in developing a response to a current local economic issue, such as how to reduce the flow of trash into a rapidly filling landfill	THERE "OUGHTA" BE A LAW	2
	UNCLE SAM SAYS, "KEEP IT CLEAN!"	2
Science, Technology, & Society- social studies programs should include experiences that provide for the study of *relationships among science, technology, and society,* so that the learner can:		
Science, Technology, & Society: make judgments about how science and technology have transformed the physical world and human society and our understanding of time, space, place, and human-environment interactions	WATER, WATER EVERYWHERE	2
	ENVIRONMENTAL INFRASTRUCTURE FINANCING	1
Global Connections- Social studies programs should include experiences that provide for the study of *global connections and interdependence* so that the learner can:		
Global Connections: explain conditions and motivations that contribute to conflict, cooperation, and interdependence among groups, societies, and nations	WATER, WATER EVERYWHERE	2
Global Connections: analyze the causes, consequences, and possible solutions to persistent, contemporary, and emerging global issues, such as health, security, resource allocation, economic development, and environmental quality	WATER, WATER EVERYWHERE	2
	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	1
	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	2
Global Connections: illustrate how individual behaviors and decisions connect with global systems	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	1

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CORRECATION OF NATIONAL SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK (9-12)

(BY PERFORMANCE OBJECTIVE)

Performance Objective	Activity	Relation
Civic Ideals & Practices- Social studies programs should include experiences that provide for the study of *the ideals, principles, and practices of citizenship in a democratic republic,* so that the learner can:		
Civic Ideals & Practices: locate, access, analyze, organize, synthesize, evaluate, and apply information about selected public issues - identifying, describing, and evaluating multiple points of view	WATER, WATER EVERYWHERE	2
	WATER: MORE PRICELESS THAN GOLD	2
	ENVIRONMENTAL INFRASTRUCTURE FINANCING	2
	THERE "OUGHTA" BE A LAW	2
	UNCLE SAM SAYS, "KEEP IT CLEAN!"	2
	IS YOUR WATER WELL FOR DRINKING?	2
	LEAKING UNDERGROUND STORAGE TANKS	2
Civic Ideals & Practices: analyze and evaluate the influence of various forms of citizen action on public policy	WATER: MORE PRICELESS THAN GOLD	2
	THERE "OUGHTA" BE A LAW	2
	UNCLE SAM SAYS, "KEEP IT CLEAN!"	2
Civic Ideals & Practices: evaluate the effectiveness of public opinion in influencing and shaping public policy development and decision-making	WATER: MORE PRICELESS THAN GOLD	2
	ENVIRONMENTAL INFRASTRUCTURE FINANCING	1
	IS YOUR WATER WELL FOR DRINKING?	1
Civic Ideals & Practices: construct a policy statement and an action plan to achieve one or more goals related to an issue of public concern	WATER: MORE PRICELESS THAN GOLD	2
	THERE "OUGHTA" BE A LAW	1
	UNCLE SAM SAYS, "KEEP IT CLEAN!"	1
	SOURCE WATER PROTECTION: Surface Water Sources	2

NOTE: NOT ALL PERFORMANCE EXPECTATIONS ARE MET.

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CORRECATION OF NATIONAL SOCIAL STUDIES STANDARDS TO WATER SOURCEBOOK (9-12)

(BY PERFORMANCE OBJECTIVE)

Performance Objective	Activity	Relation
Civic Ideals & Practices: construct a policy statement and an action plan to achieve one or more goals related to an issue of public concern	SOURCE WATER PROTECTION: Groundwater Sources	2
	LEAKING UNDERGROUND STORAGE TANKS	1
Civic Ideals & Practices: participate in activities to strengthen the "common good," based upon careful evaluation of possible options for citizen action	WATER: MORE PRICELESS THAN GOLD	2
	ENVIRONMENTAL INFRASTRUCTURE FINANCING	2
	SOURCE WATER PROTECTION: Surface Water Sources	1
	SOURCE WATER PROTECTION: Groundwater Sources	1

NOTE: NOT ALL PERFORMANCE EXPECTATIONS ARE MET.

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2-objective supported or addressed in activity
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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
CHAPTER 1- INTRODUCTION TO WATER		
THE HYDROLOGIC (WATER) CYCLE	**Physical Systems:** understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	2
	Physical Systems: understand the interaction of Earth's physical systems	2
SURVEYING THE PROPERTIES OF WATER	(No correlation to this activity.)	
CLEARLY H_2O	(No correlation to this activity.)	
WATER, WATER EVERYWHERE	**The World in Spatial Terms:** understand how to use mental maps of physical and human features of the world to answer complex geographical questions	2
	The World in Spatial Terms: understand how mental maps influence spatial and environmental decision-making	2
	Physical Systems: understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	2
	Physical Systems: understand the interaction of Earth's physical systems	2
	Environment and Society: understand how changes in the physical environment can diminish its capacity to support human activity	1
	Environment and Society: understand strategies to respond to constraints placed on human systems by the physical environment	1
	Environment and Society: understand how the spatial distribution of resources affects patterns of human settlement	1
	Environment and Society: understand how resource development and use change over time	2
	Environment and Society: understand the geographic results of policies and programs for resource use and management	3
	The Uses of Geography: understand how different points of view influence the development of policies designed to use and manage Earth's resources	2
	The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	2

RELATIONSHIP:
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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
A GLOBAL VIEW OF THE WET EARTH	**The World in Spatial Terms:** understand how to use maps and other graphic presentations to depict geographic problems	2
	The World in Spatial Terms: understand how to use mental maps of physical and human features of the world to answer complex geographical questions	1
	Places and Regions: understand the meaning and significance of place	2
	Places and Regions: understand how relationships between humans and the physical environment lead to the formation of places and to a sense of personal and community identity	2
	Physical Systems: understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	1
	Physical Systems: understand the distribution and characteristics of ecosystems	2
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	2
	Environment and Society: understand how changes in the physical environment can diminish its capacity to support human activity	2
	Environment and Society: understand strategies to respond to constraints placed on human systems by the physical environment	2
	Environment and Society: understand how the spatial distribution of resources affects patterns of human settlement	2
	Environment and Society: understand how resource development and use change over time	2
	The Uses of Geography: understand how different points of view influence the development of policies designed to use and manage Earth's resources	2
	The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	2
WATER WHIZ - A BOARD GAME	**Places and Regions:** understand how relationships between humans and the physical environment lead to the formation of places and to a sense of personal and community identity	1
	Human Systems: understand how differing points of view and self-interests play a role in conflict over territory and resources	2

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
WATER WHIZ - A BOARD GAME (CON'T)	**Environment and Society:** understand how resource development and use change over time	2
	The Uses of Geography: understand how different points of view influence the development of policies designed to use and manage Earth's resources	2
WATER: POETIC, PROSAIC, MOSAIC	(No correlation to this activity.)	
HOW WOULD WE SAY IT WITHOUT WATER?	(No correlation to this activity.)	
WATER CAREERS	(No correlation to this activity.)	
WATER: MORE PRICELESS THAN GOLD	**Places and Regions:** understand how relationships between humans and the physical environment lead to the formation of places and to a sense of personal and community identity	1
	Physical Systems: understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	1
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	3
	Environment and Society: understand how changes in the physical environment can diminish its capacity to support human activity	2
	Environment and Society: understand strategies to respond to constraints placed on human systems by the physical environment	2
	Environment and Society: understand how the spatial distribution of resources affects patterns of human settlement	2
	Environment and Society: understand how resource development and use change over time	2
	Environment and Society: understand the geographic results of policies and programs for resource use and management	3
	Places and Regions: understand how relationships between humans and the physical environment lead to the formation of places and to a sense of personal and community identity	1
	Human Systems: understand how differing points of view and self-interests play a role in conflict over territory and resources	2

RELATIONSHIP:
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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
WATER: MORE PRICELESS THAN GOLD (CON'T)	**Environment and Society:** understand how resource development and use change over time	1
	The Uses of Geography: understand how different points of view influence the development of policies designed to use and manage Earth's resources	2
	The Uses of Geography: understands contemporary issues in the context of spatial and environmental perspectives	2
	The Uses of Geography: understands how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions.	3
ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	**Places and Regions:** understand how relationships between humans and the physical environment lead to the formation of places and to a sense of personal and community identity	1
	Human Systems: understand how differing points of view and self-interests play a role in conflict over territory and resources	2
	Environment and Society: understand how resource development and use change over time	1
	The Uses of Geography: understand how different points of view influence the development of policies designed to use and manage Earth's resources	2
"pH - THE FIRST CLUE TO WATER QUALITY"	(No correlation to this activity.)	
WHAT'S IN A BOTTLE OF WATER?	(No correlation to this activity.)	
KEEP OUR COMMUNITY BEAUTIFUL!	**Physical Systems:** understand the importance of ecosystems in people's understanding of environmental issues	2
	Human Systems: understand how differing points of view and self-interests play a role in conflict over territory and resources	2
	The Uses of Geography: understand how different points of view influence the development of policies designed to use and manage Earth's resources	1
RISK ASSESSMENT: HOW MUCH RISK ARE YOU WILLING TO TAKE?	(No correlation to this activity.)	
INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	**The World in Spatial Terms:** understand how to use maps and other graphic presentations to depict geographic problems	2
	The World in Spatial Terms: understand how to use geographic representations and tools to analyze, explain, and solve geographic problems	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR! (CON'T)	**The World in Spatial Terms:** understand how mental maps influence spatial and environmental decision-making	2
	Human Systems: understand the increasing economic interdependence of the world's countries	1
	Human Systems: understand why and how cooperation and conflict are involved in shaping the distribution of social, political, and economic spaces on Earth at different scales	2
	Human Systems: understand how differing points of view and self-interests play a role in conflict over territory and resources	3
ENVIRONMENTAL INFRASTRUCTURE FINANCING	(No correlation to this activity.)	
THERE "OUGHTA" BE A LAW	**Human Systems:** understand how differing points of view and self-interests play a role in conflict over territory and resources	2
	Environment and Society: understand strategies to respond to constraints placed on human systems by the physical environment	1
	Environment and Society: understand how resource development and use change over time	2
UNCLE SAM SAYS, "KEEP IT CLEAN!"	**Human Systems:** understand how differing points of view and self-interests play a role in conflict over territory and resources	2
	Environment and Society: understand strategies to respond to constraints placed on human systems by the physical environment	1
	Environment and Society: understand how resource development and use change over time	2
HOW HARD IS WATER?	(No correlation to this activity.)	
IS YOUR WATER WELL FOR DRINKING?	(No correlation to this activity.)	
WATER CHEMISTRY CHECKUP	(No correlation to this activity.)	
CHAPTER 2- DRINKING WATER AND WASTEWATER TREATMENT		
WATER WORKS	(No correlation to this activity.)	
CARBON TREATMENT FOR WATER POLLUTION CONTROL	(No correlation to this activity.)	
CHLORINATION FOR DISINFECTION	(No correlation to this activity.)	
DRINKING WATER JEOPARDY	(No correlation to this activity.)	
SOURCE WATER PROTECTION: Surface Water Sources	**Physical Systems:** understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	1
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
SOURCE WATER PROTECTION: Surface Water Sources	**Environment and Society:** understand the role of technology in the capacity of the physical environment to accommodate human modification	2
	Environment and Society: understand how to apply appropriate models and information to understand environmental problems	2
	Environment and Society: understand how resource development and use change over time	1
	Environment and Society: understand the geographic results of policies and programs for resource use and management	2
	The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	2
SOURCE WATER PROTECTION: Groundwater Sources	**Physical Systems:** understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	1
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	2
	Environment and Society: understand the role of technology in the capacity of the physical environment to accommodate human modification	2
	Environment and Society: understand how to apply appropriate models and information to understand environmental problems	2
	Environment and Society: understand how resource development and use change over time	1
	Environment and Society: understand the geographic results of policies and programs for resource use and management	2
	The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	2
HOW ARE DETECTION LIMITS SET FOR WATER POLLUTANTS?	(No correlation to this activity.)	
METAL POLLUTION REDUCTION	(No correlation to this activity.)	
WHAT IS IN SOURCE WATER?	(No correlation to this activity.)	
WASTEWATER TREATMENT	(No correlation to this activity.)	
THE WORLD OF BIOLOGICAL WASTEWATER TREATMENT	(No correlation to this activity.)	
HOME RECYCLING OF GRAYWATER	(No correlation to this activity.)	
DO SEPTIC TANKS DO THE JOB?	(No correlation to this activity.)	

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
LAND APPLICATIONS OF WASTEWATER SOLIDS	(No correlation to this activity.)	
STORM WATER: BEST MANAGEMENT PRACTICES AND POLLUTION PREVENTION	(No correlation to this activity.)	

RELATIONSHIP:
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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
CHAPTER 3- SURFACE WATER RESOURCES		
BIOGRAPHY OF A RIVER	**Places and Regions:** understand the meaning and significance of place	2
	Places and Regions: understand the changing physical and human characteristics of places	1
	Physical Systems: understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	2
	Physical Systems: understand the distribution and characteristics of ecosystems	1
	Physical Systems: understand the BIODIVERSITY and productivity of ecosystems	2
CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	**The World in Spatial Terms:** understand how to use technologies to represent and interpret Earth's physical and human systems	2
	The World in Spatial Terms: understand how to use geographic representations and tools to analyze, explain, and solve geographic problems	2
	The World in Spatial Terms: understand how to use mental maps of physical and human features of the world to answer complex geographical questions	2
	Places and Regions: understand the changing physical and human characteristics of places	2
	Physical Systems: understand the spatial variations in the consequences of physical processes across Earth's surface	1
	The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	2
HELP! LAKE OVERTURNING!	**Physical Systems:** understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	2
	Physical Systems: understand the interaction of Earth's physical systems	2
HELP! LAKE OVERTURNING! (CON'T)	**Physical Systems:** understand the distribution and characteristics of ecosystems	1
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	2
THE AGING OF LAKES	(No correlation to this activity.)	
BIODIVERSITY = WATER QUALITY	**Physical Systems:** understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	1
	Physical Systems: understand the distribution and characteristics of ecosystems	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
BIODIVERSITY = WATER QUALITY (CON'T)	**Physical Systems:** understand the BIODIVERSITY and productivity of ecosystems	2
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	2
FLOODS	**Places and Regions:** understand the changing physical and human characteristics of places	2
	Physical Systems: understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	2
	Physical Systems: understand the interaction of Earth's physical systems	2
	Physical Systems: understand the spatial variations in the consequences of physical processes across Earth's surface	3
	Environment and Society: understand the geographic results of policies and programs for resource use and management	2
BEST MANAGEMENT PRACTICES FOR FORESTRY	**Places and Regions:** understand the meaning and significance of place	1
	Places and Regions: understand the changing physical and human characteristics of places	2
	Places and Regions: understand how relationships between humans and the physical environment lead to the formation of places and to a sense of personal and community identity	1
	Physical Systems: understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	2
	Physical Systems: understand the interaction of Earth's physical systems	2
	Physical Systems: understand the spatial variations in the consequences of physical processes across Earth's surface	2
	Physical Systems: understand the BIODIVERSITY and productivity of ecosystems	1
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	3
	Environment and Society: understand the role of technology in the capacity of the physical environment to accommodate human modification	2
	Environment and Society: understand how to apply appropriate models and information to understand environmental problems	3
	Environment and Society: understand how resource development and use change over time	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
BEST MANAGEMENT PRACTICES FOR FORESTRY (CON'T)	**Environment and Society:** understand the geographic results of policies and programs for resource use and management	2
	The Uses of Geography: understand how different points of view influence the development of policies designed to use and manage Earth's resources	2
	The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	2
SIMPLE TEST FOR MICROBIAL CONTAMINATION	(No correlation to this activity.)	
POLLUTANTS: HOW MUCH TOTAL OR HOW MUCH PER UNIT OF WATER?	(No correlation to this activity.)	
ETHICAL DILEMMAS WHAT'S A BODY TO DO?	**Physical Systems:** understand the importance of ecosystems in people's understanding of environmental issues	1
	Environment and Society: understand strategies to respond to constraints placed on human systems by the physical environment	3
	Environment and Society: understand how resource development and use change over time	2
	The Uses of Geography: understand how different points of view influence the development of policies designed to use and manage Earth's resources	3
	The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	2
WHAT ARE FECAL COLIFORMS AND HOW ARE THEY RELATED TO WATER QUALITY?	(No correlation to this activity.)	
TURBIDITY	(No correlation to this activity.)	
CLEAN CLOTHES - CLEAN ENVIRONMENT? PHOSPHATES	(No correlation to this activity.)	
WHAT TURNED THE CREEK ORANGE?	**Physical Systems:** understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	1
	Physical Systems: understand the interaction of Earth's physical systems	2
	Environment and Society: understand the role of technology in the capacity of the physical environment to accommodate human modification	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
	Environment and Society: understand how to apply appropriate models and information to understand environmental problems	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
WHAT TURNED THE CREEK ORANGE? (CON'T)	**Environment and Society:** understand how changes in the physical environment can diminish its capacity to support human activity	2
	Environment and Society: understand the geographic results of policies and programs for resource use and management	1
CHAPTER 4- GROUNDWATER RESOURCES		
THERMAL POLLUTION	(No correlation to this activity.)	
GROUNDWATER BASIC	(No correlation to this activity.)	
FROM GROUND TO WATER	(No correlation to this activity.)	
WHAT'S THE LEVEL?	(No correlation to this activity.)	
WHAT GOES ON DOWN UNDER?	(No correlation to this activity.)	
DO YOU DRINK IT?	**The World in Spatial Terms:** understand how to use maps and other graphic presentations to depict geographic problems	2
	The World in Spatial Terms: understand how to use mental maps of physical and human features of the world to answer complex geographical questions	2
	The World in Spatial Terms: understand how mental maps influence spatial and environmental decision-making	2
	Places and Regions: understand how relationships between humans and the physical environment lead to the formation of places and to a sense of personal and community identity	2
DO YOU DRINK IT? (CON'T)	**Physical Systems:** understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	1
	Physical Systems: understand the interaction of Earth's physical systems	2
HYDRAULIC HEAD	(No correlation to this activity.)	
FLOW NETS	**The World in Spatial Terms:** understand how to use maps and other graphic presentations to depict geographic problems	2
	The World in Spatial Terms: understand how to use technologies to represent and interpret Earth's physical and human systems	2
	The World in Spatial Terms: understand how to use geographic representations and tools to analyze, explain, and solve geographic problems	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
FLOW NETS (CON'T)	**The World in Spatial Terms:** understand how mental maps influence spatial and environmental decision-making	3
	Physical Systems: understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	2
	Physical Systems: understand the spatial variations in the consequences of physical processes across Earth's surface	2
	Environment and Society: understand how changes in the physical environment can diminish its capacity to support human activity	2
	Environment and Society: understand how resource development and use change over time	2
	Environment and Society: understand the geographic results of policies and programs for resource use and management	2
GROUNDWATER: CLEANING UP	**Places and Regions:** understand the changing physical and human characteristics of places	1
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	2
	Environment and Society: understand how to apply appropriate models and information to understand environmental problems	2
	Environment and Society: understand how resource development and use change over time	2
	Environment and Society: understand the geographic results of policies and programs for resource use and management	2
	The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	2
WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD?	**Places and Regions:** understand the changing physical and human characteristics of places	1
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	2
	Environment and Society: understand how to apply appropriate models and information to understand environmental problems	2
	Environment and Society: understand how resource development and use change over time	2

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1-standard is part of focus of activity

CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD? (CON'T)	**Environment and Society:** understand the geographic results of policies and programs for resource use and management	2
	The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	2
RADON IN WATER	**Places and Regions:** understand the changing physical and human characteristics of places	1
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	2
	Environment and Society: understand how to apply appropriate models and information to understand environmental problems	2
	Environment and Society: understand how resource development and use change over time	2
	Environment and Society: understand the geographic results of policies and programs for resource use and management	2
	The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	2
LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	**The World in Spatial Terms:** understand how to use mental maps of physical and human features of the world to answer complex geographical questions	1
	Places and Regions: understand the changing physical and human characteristics of places	2
	Physical Systems: understand the interaction of Earth's physical systems	2
	Environment and Society: understand how to apply appropriate models and information to understand environmental problems	2
	Environment and Society: understand the geographic results of policies and programs for resource use and management	2
	The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	2
LEAKING UNDERGROUND STORAGE TANKS	**Places and Regions:** understand the changing physical and human characteristics of places	2
	Physical Systems: understand the interaction of Earth's physical systems	1
	Environment and Society: understand how to apply appropriate models and information to understand environmental problems	2

RELATIONSHIP:
3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is part of focus of activity

CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
LEAKING UNDERGROUND STORAGE TANKS (CON'T)	**Environment and Society:** understand the geographic results of policies and programs for resource use and management	2
	The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	2
CHAPTER 5- WETLANDS AND COASTAL WATERS		
An Alternative to the "What I Did on Summer Vacation - What I Can Do on Summer Vacation."	(No correlation to this activity.)	
UNDERSTANDING MARINE RESOURCES	**Places and Regions:** understand how relationships between humans and the physical environment lead to the formation of places and to a sense of personal and community identity	2
	Physical Systems: understand the BIODIVERSITY and productivity of ecosystems	1
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	2
	Environment and Society: understand how to apply appropriate models and information to understand environmental problems	2
	Environment and Society: understand how the spatial distribution of resources affects patterns of human settlement	2
	Environment and Society: understand how resource development and use change over time	2
	Environment and Society: understand the geographic results of policies and programs for resource use and management	2
	The Uses of Geography: understand how different points of view influence the development of policies designed to use and manage Earth's resources	3
	The Uses of Geography: understand contemporary issues in the context of spatial and environmental perspectives	2
	The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
RIVER INPUT INTO THE GULF OF MEXICO	**The World in Spatial Terms:** understand how to use maps and other graphic presentations to depict geographic problems	2
	The World in Spatial Terms: understand how to use geographic representations and tools to analyze, explain, and solve geographic problems	2
	The World in Spatial Terms: understand how mental maps influence spatial and environmental decision-making	2
	Physical Systems: understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	2
	Physical Systems: understand the distribution and characteristics of ecosystems	2
	Environment and Society: understand how to apply appropriate models and information to understand environmental problems	3
	The Uses of Geography: understand how different points of view influence the development of policies designed to use and manage Earth's resources	1
	The Uses of Geography: understand contemporary issues in the context of spatial and environmental perspectives	2
WETLANDS, USA - MORE THAN SWAMPS!	**Physical Systems:** understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	1
	Physical Systems: understand the interaction of Earth's physical systems	1
	Physical Systems: understand the distribution and characteristics of ecosystems	2
	Physical Systems: understand the BIODIVERSITY and productivity of ecosystems	2
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	2
	Environment and Society: understand how to apply appropriate models and information to understand environmental problems	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
WETLANDS, USA - MORE THAN SWAMPS! (CON'T)	**The Uses of Geography:** understand how different points of view influence the development of policies designed to use and manage Earth's resources	2
	The Uses of Geography: understand contemporary issues in the context of spatial and environmental perspectives	1
	The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	2
KNOW YOUR GULF	(No correlation to this activity.)	
SEA MARGIN DIVERSITY	**The World in Spatial Terms:** understand how to use geographic representations and tools to analyze, explain, and solve geographic problems	1
	Physical Systems: understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	1
	Physical Systems: understand the interaction of Earth's physical systems	2
	Physical Systems: understand the distribution and characteristics of ecosystems	2
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	2
ESTUARIES: INTERFACE BETWEEN SEA AND LAND	**The World in Spatial Terms:** understand how to use geographic representations and tools to analyze, explain, and solve geographic problems	1
	Physical Systems: understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	1
	Physical Systems: understand the interaction of Earth's physical systems	2
	Physical Systems: understand the distribution and characteristics of ecosystems	2
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	2
EROSION KILL THE HABITATS THAT FEED YOU!	**Physical Systems:** understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	1
	Physical Systems: understand the interaction of Earth's physical systems	2
	Physical Systems: understand the distribution and characteristics of ecosystems	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
EROSION KILL THE HABITATS THAT FEED YOU! (CON'T)	**Environment and Society:** understand how the spatial distribution of resources affects patterns of human settlement	2
	Environment and Society: understand how resource development and use change over time	2
	Environment and Society: understand the geographic results of policies and programs for resource use and management	2
OIL SPILLS	(No correlation to this activity.)	
IMPACT GOVERNMENTAL REGULATIONS ON MARINE DEBRIS - WRITE A LETTER!	(No correlation to this activity.)	
"HOW WATER PROCESSES MOVE SAND"	**The World in Spatial Terms:** understand how to use maps and other graphic presentations to depict geographic problems	2
	The World in Spatial Terms: understand how to use geographic representations and tools to analyze, explain, and solve geographic problems	2
	Physical Systems: understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	2
	Physical Systems: understand the interaction of Earth's physical systems	2
	Physical Systems: understand the spatial variations in the consequences of physical processes across Earth's surface	2
	Environment and Society: understand how changes in the physical environment can diminish its capacity to support human activity	2
	Environment and Society: understand the geographic results of policies and programs for resource use and management	1
SWEPT AWAY -- OR -- WHERE WILL YOU BE WHEN THE WATER COMES?	**Physical Systems:** understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	2
	Physical Systems: understand the interaction of Earth's physical systems	2
	Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	1
	Environment and Society: understand how to apply appropriate models and information to understand environmental problems	2
	Environment and Society: understand how changes in the physical environment can diminish its capacity to support human activity	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

Activity	Standard	Relation
SWEPT AWAY -- OR -- WHERE WILL YOU BE WHEN THE WATER COMES? (CON'T)	**Environment and Society:** understand the geographic results of policies and programs for resource use and management	2
	The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Essential Element 1. The World in Spatial Terms-Standard 1) How to use maps and other geographic representations, tools, and technologies to acquire, process, and report information from a spatial perspective; 2) How to use mental maps to organize information about people, places, and environments in a spatial context; 3) How to analyze the spatial organization fo people, places, and environments on Earth's surface.		
The World in Spatial Terms: understand how to use maps and other graphic presentations to depict geographic problems	A GLOBAL VIEW OF THE WET EARTH	2
	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	2
	DO YOU DRINK IT?	2
	FLOW NETS	2
	RIVER INPUT INTO THE GULF OF MEXICO	2
	"HOW WATER PROCESSES MOVE SAND"	2
The World in Spatial Terms: understand how to use technologies to represent and interpret Earth's physical and human systems	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	2
	FLOW NETS	2
The World in Spatial Terms: understand how to use geographic representations and tools to analyze, explain, and solve geographic problems	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	2
	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	2
	FLOW NETS	2
	RIVER INPUT INTO THE GULF OF MEXICO	2
	SEA MARGIN DIVERSITY	1
	ESTUARIES: INTERFACE BETWEEN SEA AND LAND	1
	"HOW WATER PROCESSES MOVE SAND"	2
The World in Spatial Terms: understand how to use mental maps of physical and human features of the world to answer complex geographical questions	WATER, WATER EVERYWHERE	2
	A GLOBAL VIEW OF THE WET EARTH	1
	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
The World in Spatial Terms: understand how to use mental maps of physical and human features of the world to answer complex geographical questions (con't)	DO YOU DRINK IT?	2
	LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	1
The World in Spatial Terms: understand how mental maps influence spatial and environmental decision-making	WATER, WATER EVERYWHERE	2
	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	2
	DO YOU DRINK IT?	2
	FLOW NETS	3
	RIVER INPUT INTO THE GULF OF MEXICO	2
Essential Element 2. Places and Regions-Standard 4) The physical and human characteristics of places; 5) That people create regions to interpret Earth's complexity; 6) How culture and experience influence people's perceptions of places and regions.		
Places and Regions: understand the meaning and significance of place	A GLOBAL VIEW OF THE WET EARTH	2
	BIOGRAPHY OF A RIVER	2
	BEST MANAGEMENT PRACTICES FOR FORESTRY	1
Places and Regions: understand the changing physical and human characteristics of places	BIOGRAPHY OF A RIVER	1
	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	2
	FLOODS	2
	BEST MANAGEMENT PRACTICES FOR FORESTRY	2
	GROUNDWATER: CLEANING UP	1
	WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD?	1
	RADON IN WATER	1
	LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	2
	LEAKING UNDERGROUND STORAGE TANKS	2
Places and Regions: understand how relationships between humans and the physical environment lead to the formation of places and to a sense of personal and community identity	A GLOBAL VIEW OF THE WET EARTH	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
	WATER WHIZ - A BOARD GAME	1
	WATER: MORE PRICELESS THAN GOLD	1
	WATER YOU DOING ABOUT THIS?	1
	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	1
	BEST MANAGEMENT PRACTICES FOR FORESTRY	1
	DO YOU DRINK IT?	2
	UNDERSTANDING MARINE RESOURCES	2
Essential Element 3. Physical Systems- Standard 7) The physical processes that shape the patterns of Earth's surface; 8) The characteristics and spatial distribution of ecosystems on Earth's surface.		
Physical Systems: understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere	THE HYDROLOGIC (WATER) CYCLE	2
	WATER, WATER EVERYWHERE	2
	A GLOBAL VIEW OF THE WET EARTH	1
	WATER: MORE PRICELESS THAN GOLD	1
	SOURCE WATER PROTECTION: Surface Water Sources	1
	SOURCE WATER PROTECTION: Groundwater Sources	1
	BIOGRAPHY OF A RIVER	2
	HELP! LAKE OVERTURNING!	2
	BIODIVERSITY = WATER QUALITY	1
	FLOODS	2
	BEST MANAGEMENT PRACTICES FOR FORESTRY	2
	WHAT TURNED THE CREEK ORANGE?	1
	DO YOU DRINK IT?	1
	FLOW NETS	2
	RIVER INPUT INTO THE GULF OF MEXICO	2
	WETLANDS, USA - MORE THAN SWAMPS!	1
	SEA MARGIN DIVERSITY	1
Physical Systems: understand the dynamics of the four basic components of Earth's physical systems: the atmosphere, biosphere, lithospheres, and hydrosphere(con't)	ESTUARIES: INTERFACE BETWEEN SEA AND LAND	1

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
	EROSION KILL THE HABITATS THAT FEED YOU!	1
	"HOW WATER PROCESSES MOVE SAND"	2
	SWEPT AWAY -- OR -- WHERE WILL YOU BE WHEN THE WATER COMES?	2
Physical Systems: understand the interaction of Earth's physical systems	THE HYDROLOGIC (WATER) CYCLE	2
	WATER, WATER EVERYWHERE	2
	HELP! LAKE OVERTURNING!	2
	FLOODS	2
	BEST MANAGEMENT PRACTICES FOR FORESTRY	2
	WHAT TURNED THE CREEK ORANGE?	2
	DO YOU DRINK IT?	2
	LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	2
	LEAKING UNDERGROUND STORAGE TANKS	1
	WETLANDS, USA - MORE THAN SWAMPS!	1
	SEA MARGIN DIVERSITY	2
	ESTUARIES: INTERFACE BETWEEN SEA AND LAND	2
	EROSION KILL THE HABITATS THAT FEED YOU!	2
	"HOW WATER PROCESSES MOVE SAND"	2
	SWEPT AWAY -- OR -- WHERE WILL YOU BE WHEN THE WATER COMES?	2
Physical Systems: understand the spatial variations in the consequences of physical processes across Earth's surface	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	1
	FLOODS	3
	BEST MANAGEMENT PRACTICES FOR FORESTRY	2
	FLOW NETS	2
	"HOW WATER PROCESSES MOVE SAND"	2
Physical Systems: understand the distribution and characteristics of ecosystems	A GLOBAL VIEW OF THE WET EARTH	2
Physical Systems: understand the distribution and characteristics of ecosystems (con't)	BIOGRAPHY OF A RIVER	1

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
	HELP! LAKE OVERTURNING!	1
	BIODIVERSITY = WATER QUALITY	2
	RIVER INPUT INTO THE GULF OF MEXICO	2
	WETLANDS, USA - MORE THAN SWAMPS!	2
	SEA MARGIN DIVERSITY	2
	ESTUARIES: INTERFACE BETWEEN SEA AND LAND	2
	EROSION KILL THE HABITATS THAT FEED YOU!	2
Physical Systems: understand the BIODIVERSITY and productivity of ecosystems	BIOGRAPHY OF A RIVER	2
	BIODIVERSITY = WATER QUALITY	2
	BEST MANAGEMENT PRACTICES FOR FORESTRY	1
	UNDERSTANDING MARINE RESOURCES	1
	WETLANDS, USA - MORE THAN SWAMPS!	2
Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues	A GLOBAL VIEW OF THE WET EARTH	2
	WATER: MORE PRICELESS THAN GOLD	3
	KEEP OUR COMMUNITY BEAUTIFUL!	2
	SOURCE WATER PROTECTION: Surface Water Sources	2
	SOURCE WATER PROTECTION: Groundwater Sources	2
	HELP! LAKE OVERTURNING!	2
	BIODIVERSITY = WATER QUALITY	2
	BEST MANAGEMENT PRACTICES FOR FORESTRY	3
	ETHICAL DILEMMAS WHAT'S A BODY TO DO?	1
	GROUNDWATER: CLEANING UP	2
	WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD?	2
	RADON IN WATER	2
Physical Systems: understand the importance of ecosystems in people's understanding of environmental issues (con't)	UNDERSTANDING MARINE RESOURCES	2
	WETLANDS, USA - MORE THAN SWAMPS!	2
	SEA MARGIN DIVERSITY	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
	ESTUARIES: INTERFACE BETWEEN SEA AND LAND	2
	EROSION KILL THE HABITATS THAT FEED YOU!	2
	SWEPT AWAY -- OR -- WHERE WILL YOU BE WHEN THE WATER COMES?	1
Essential Element 4. Human Systems-Standard 9) The characteristics, distribution, and migration of human populations on Earth's surface; 10) The characteristics, distribution, and complexity of Earth's cultural mosaics, 11) The patterns and networks of economic interdependence on Earth's surface.		
Human Systems: understand the increasing economic interdependence of the world's countries	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	1
Human Systems: understand why and how cooperation and conflict are involved in shaping the distribution of social, political, and economic spaces on Earth at different scales	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	2
Human Systems: understand how differing points of view and self-interests play a role in conflict over territory and resources	WATER WHIZ - A BOARD GAME	2
	WATER YOU DOING ABOUT THIS?	2
	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	2
	KEEP OUR COMMUNITY BEAUTIFUL!	2
	INTERNATIONAL WATER DISPUTES: YOU BE THE NEGOTIATOR!	3
	THERE "OUGHTA" BE A LAW	2
	UNCLE SAM SAYS, "KEEP IT CLEAN!"	2
Essential Element 5. Environment and Society- Standard 14) How human actions modify the physical environment; 15) How physical systems affect human systems; 16) The changes that occur in the meaning, use, distribution, and importance of resources.		
Environment and Society: understand the role of technology in the capacity of the physical environment to accommodate human modification	SOURCE WATER PROTECTION: Surface Water Sources	2
	SOURCE WATER PROTECTION: Groundwater Sources	2
Environment and Society: understand the role of technology in the capacity of the physical environment to accommodate human modification (con't)	BEST MANAGEMENT PRACTICES FOR FORESTRY	2
	WHAT TURNED THE CREEK ORANGE?	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
Environment and Society: understand how to apply appropriate models and information to understand environmental problems	SOURCE WATER PROTECTION: Surface Water Sources	2
	SOURCE WATER PROTECTION: Groundwater Sources	2
	BEST MANAGEMENT PRACTICES FOR FORESTRY	3
	WHAT TURNED THE CREEK ORANGE?	2
	GROUNDWATER: CLEANING UP	2
	WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD?	2
	RADON IN WATER	2
	LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	2
	LEAKING UNDERGROUND STORAGE TANKS	2
	UNDERSTANDING MARINE RESOURCES	2
	RIVER INPUT INTO THE GULF OF MEXICO	3
	WETLANDS, USA - MORE THAN SWAMPS!	2
	SWEPT AWAY -- OR -- WHERE WILL YOU BE WHEN THE WATER COMES?	2
Environment and Society: understand how changes in the physical environment can diminish its capacity to support human activity	WATER, WATER EVERYWHERE	1
	A GLOBAL VIEW OF THE WET EARTH	2
	WATER: MORE PRICELESS THAN GOLD	2
	WHAT TURNED THE CREEK ORANGE?	2
	FLOW NETS	2
	"HOW WATER PROCESSES MOVE SAND"	2
Environment and Society: understand how changes in the physical environment can diminish its capacity to support human activity (con't)	WATER, WATER EVERYWHERE	1
	A GLOBAL VIEW OF THE WET EARTH	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
	WATER: MORE PRICELESS THAN GOLD	2
	WHAT TURNED THE CREEK ORANGE?	2
	FLOW NETS	2
	"HOW WATER PROCESSES MOVE SAND"	2
	ETHICAL DILEMMAS WHAT'S A BODY TO DO?	3
Environment and Society: understand the geographic results of policies and programs for resource use and management	FLOODS	2
	WHAT TURNED THE CREEK ORANGE?	1
	"HOW WATER PROCESSES MOVE SAND"	1
	SWEPT AWAY -- OR -- WHERE WILL YOU BE WHEN THE WATER COMES?	2
Environment and Society: understand how the spatial distribution of resources affects patterns of human settlement	WATER, WATER EVERYWHERE	1
	A GLOBAL VIEW OF THE WET EARTH	2
	WATER: MORE PRICELESS THAN GOLD	2
	UNDERSTANDING MARINE RESOURCES	2
	EROSION KILL THE HABITATS THAT FEED YOU!	2
Environment and Society: understand how resource development and use change over time	WATER, WATER EVERYWHERE	2
	A GLOBAL VIEW OF THE WET EARTH	2
	WATER WHIZ - A BOARD GAME	2
	WATER: MORE PRICELESS THAN GOLD	2
	WATER YOU DOING ABOUT THIS?	1
	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	1
	THERE "OUGHTA" BE A LAW	2
Environment and Society: understand how resource development and use change over time (con't)	WATER, WATER EVERYWHERE	2
	A GLOBAL VIEW OF THE WET EARTH	2
	WATER WHIZ - A BOARD GAME	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
	WATER: MORE PRICELESS THAN GOLD	2
	WATER YOU DOING ABOUT THIS?	1
	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	1
	THERE "OUGHTA" BE A LAW	2
	WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD?	2
	RADON IN WATER	2
	UNDERSTANDING MARINE RESOURCES	2
	EROSION KILL THE HABITATS THAT FEED YOU!	2
Environment and Society: understand the geographic results of policies and programs for resource use and management	WATER, WATER EVERYWHERE	3
	WATER: MORE PRICELESS THAN GOLD	3
	SOURCE WATER PROTECTION: Surface Water Sources	2
	SOURCE WATER PROTECTION: Groundwater Sources	2
	BEST MANAGEMENT PRACTICES FOR FORESTRY	2
	FLOW NETS	2
	GROUNDWATER: CLEANING UP	2
	WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD?	2
	RADON IN WATER	2
	LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	2
	LEAKING UNDERGROUND STORAGE TANKS	2
	UNDERSTANDING MARINE RESOURCES	2
	EROSION KILL THE HABITATS THAT FEED YOU!	2
Essential Element 6. The Uses of Geography-Standard 17) How to apply geography to interpret the past; 18) How to apply geography to interpret the present and plan for the future.		
The Uses of Geography: understand how different points of view influence the development of policies designed to use and manage Earth's resources	WATER, WATER EVERYWHERE	2

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CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
	A GLOBAL VIEW OF THE WET EARTH	2
	WATER WHIZ - A BOARD GAME	2
	WATER: MORE PRICELESS THAN GOLD	2
	WATER YOU DOING ABOUT THIS?	2
	ENVIRONMENTAL CONTROVERSY: CLASS PROJECT	2
	KEEP OUR COMMUNITY BEAUTIFUL!	1
	CATCH ME IF YOU CAN -- (TWO WAYS TO MEASURE STREAM FLOW)	2
	BEST MANAGEMENT PRACTICES FOR FORESTRY	2
	ETHICAL DILEMMAS WHAT'S A BODY TO DO?	3
	UNDERSTANDING MARINE RESOURCES	3
	RIVER INPUT INTO THE GULF OF MEXICO	1
	WETLANDS, USA - MORE THAN SWAMPS!	2
The Uses of Geography: contemporary issues in the context of spatial and environmental perspectives	WATER: MORE PRICELESS THAN GOLD	2
	UNDERSTANDING MARINE RESOURCES	2
	RIVER INPUT INTO THE GULF OF MEXICO	2
	WETLANDS, USA - MORE THAN SWAMPS!	1
The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions	WATER, WATER EVERYWHERE	2
	A GLOBAL VIEW OF THE WET EARTH	2
	WATER: MORE PRICELESS THAN GOLD	3
The Uses of Geography: understand how to use geographic knowledge, skills, and perspectives to analyze problems and make decisions (con't)	SOURCE WATER PROTECTION: Surface Water Sources	2
	SOURCE WATER PROTECTION: Groundwater Sources	2
	BEST MANAGEMENT PRACTICES FOR FORESTRY	2

NOTE: NOT ALL STANDARDS ARE MET.

3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is par of focus of activity

CORRELATION OF NATIONAL GEOGRAPHY STANDARDS TO THE WATER SOURCEBOOK (9-12)

(BY STANDARD)

Standard	Activity	Relation
	ETHICAL DILEMMAS WHAT'S A BODY TO DO?	2
	GROUNDWATER: CLEANING UP	2
	WHAT IS GROUNDWATER POLLUTION DOING TO THE NEIGHBORHOOD?	2
	RADON IN WATER	2
	LANDFILLS AND THE POTENTIAL FOR GROUNDWATER CONTAMINATION	2
	LEAKING UNDERGROUND STORAGE TANKS	2
	UNDERSTANDING MARINE RESOURCES	2
	WETLANDS, USA - MORE THAN SWAMPS!	2
	SWEPT AWAY -- OR -- WHERE WILL YOU BE WHEN THE WATER COMES?	2

NOTE: NOT ALL STANDARDS ARE MET.

3-standard main focus of activity, direct relation to standard
2-standard supported or addressed in activity
1-standard is par of focus of activity

QCC CORRELATIONS BY SUBJECT (Grades 9-12)

Quality Core Curriculum (QCC)

Subject	Activity	QCC Correlation	Relationship to Local Curriculum
Chemistry	Clearly H_2O pg. 1-21	6, 11, 15	Chemical Bonding - Covalent Bonding and Molecular Compounds; pH of solutions; liquids
	pH - The First Clue to Water Quality pg. 1-109	11	Concept of pH
	Water Chemistry Checkup	11	Concept of pH, acids, and bases
	Metals Pollution Reduction pg. 2-59	8, 11, 15	Metallic bonding in metals, concept of pH, and properties of liquids
AP Chemistry	Clearly H_2O pg. 1-21	1, 8, 11, 16	Bonding and Shapes of Molecules Properties of solutions: Freezing Point Depression Boiling Point Elevation
	pH - The First Clue to Water Quality pg. 1-109	1, 10, 11	Solution Equilibrium Acid/Base Titration Ionization Constant of Water
	Pollutants: How Much Total Or How Much Per Unit of Water pg. 3-53	1, 16	Concentration of Solutions Serial Dilution
Biology	What Are Fecal Coliforms And How Are They Related To Water? 3-63 to 3-70	29.1, 29.2, 29.3, 29.4, 29.5	Unit on the Digestive System
	Surveying The Properties Of Water 1-11 to 1-20	4, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6	Unit on Chemistry and Biochemistry
	Clearly Water 1-21 to 1-27	4, 4.1, 4.2, 4.3, 4.4, 4.5, 4.6	Unit on Chemistry and Biochemistry
	Risk Assessment: How Much Risk Are You Willing To Take? 1-133 to 1-145	24.1, 24.2, 24.3, 24.4	Unit on Personal Health/Disease
	Simple Test For Microbial Contamination 3-49 to 3-52	24.1, 24.2, 24.3, 24.4	Unit on Personal Health/Disease

	Chlorination For Disinfectant 2-15 to 2-32	24.1, 24.2, 24.3, 24.4	Unit on Personal Health/Disease
	Carbon Treatment For Water Pollution Control 2-9 to 2-14	24.1, 24.2, 24.3, 24.4	Unit on Personal Health/Disease
	The Hydrologic Cycle 1-1	1, 5, 19, 25	Ecology Unit: The Water Cycle and Homeostasis Botany Unit: Plan Transpiration
	Water Whiz: A Board Game 1-55	1, 27	Ecology Unit: Acid Rain, Pollution
	Drinking Water Jeopardy 2-21	1, 16, 20	Diversity of Life: Waterborne Diseases and the Impact Upon Living Organisms
	What is in Source Water 2-65	1, 16, 20	Diversity of Life: Observations of Protists and Microinvertebrates in a Pond Ecosystem
	Simple Test for Microbial Contamination 3-49	1, 15, 16, 17	Diversity of Life: Growth of Virus, Bacteria, Protozoa, and Fungi in Water Samples
	Wetlands - USA - More than Swamps 5-52	1, 26	Ecology Unit: Freshwater Aquatic Biomes
	Estuaries: Interface Between Sea and Land 5-53	1, 26	Ecology: Aquatic Biome
Applied Biology	Clearly H_2O 1-21	N/A	Waterbook. Subunit 4
	Water Careers 1-85	N/A	Waterbook. Subunit 1
	Water: More Precious Than Gold 1-91	N/A	Waterbook. Subunit 1
	Water Works 2-1	N/A	Waterbook. Subunit 5
	Groundwater Basics 4-1	N/A	Waterbook. Subunit 2
	Do You Drink It? 4-37	N/A	Waterbook. Subunit 3
	What is Groundwater Pollution Doing to our Neighborhood? 4-77	N/A	Disease and Wellness. Subunit 3
Ecology	Simple Test for Microbial Contamination	1, 35	Water Pollution Unit

	Water Whiz: A Board Game	36	Ground Water Unit
	Water, Water Everywhere	36	Surface Water Unit
	Wetlands, USA	18	Wetlands Unit
	Do You Drink It?	36	Aquifer Unit
Physics	Water Careers 1-85	1.1 - 1.4	Physics Careers
	Environmental Controversy: Class Project 1-105	1.1 - 1.4; 2.1 - 2.6	Science Process and Reasoning Skills
	How are Detection Limits Set for Water Pollutants? 2-55	1.1 - 1.4; 2.1 - 2.6	Mechanics and Limits
Physical Science	Clearly H_2O Pg. 1-21	4, 5, 9	Matter: Structure and Properties
	Surveying the Properties of Water Pg. 1-11	4, 5	Matter: Structure and Properties
	Waterwise: A Board Game Pg. 1-55	12	Energy
	pH - The First Clue to Water Quality Pg. 1-109	1, 4, 10	Chemical Reactions Acids and Bases
	Water Quality Checkup Pg. 1-185	1, 4, 5	Solutions, Families of Elements
	Water Works Pg. 2-1	4, 5	Matter: Structure and Properties
	Carbon Treatment for Water Pollution Control Pg. 2-9	9	Atomic Theory and Patters of Relativity
	The World of Biological Wastewater Treatment Pg. 2-83	10, 11	Chemical Reactions, Organic, and Biochemistry
	Chlorination for Disinfection Pg. 2-215	1, 4, 5	Solutions, Halogens
	How are Detention Limits Set for Water Pollutants	1, 5, 13, 15	Accuracy in Measurements, Inclined plans/Simple Machines
	Radon in Water Pg. 4-85	7, 8	Atomic Theory and Patters for Reactivity
	Oil Spills Pg. 5-659	11	Organic and Biochemistry
Geology	Water Careers Pg. 1-85	1, 2, 21, 22,, 25, 26, 28, 29, 30, 31	Resources and Our Environment Chapter 6 Unit 1

	The Hydrologic Cycle or The Ocean Pg. 1-1	1, 10, 14, 30, 31	Water Moving Underground (The never-ending movement of water) Unit 2 Chapter 9
	A Global View of the Wet Earth Pg. 1-41	1, 10, 13, 22, 23, 26, 30, 31	The Ocean: Unit 4 Earth - The Water Plant Chapter 17
	Floods Pg. 3-37	1, 12, 14, 30, 31	Forces that Attack the Surface Unit 2 Running Water Chapter 10
	Water You Doing About This? Pg. 1-97	1, 2, 22, 23, 25, 28, 29, 30, 31	Resources and Our Environment Unit 1 Environmental Problems and Solutions Chapter 6